

Chapter 5 Practice Quizzes

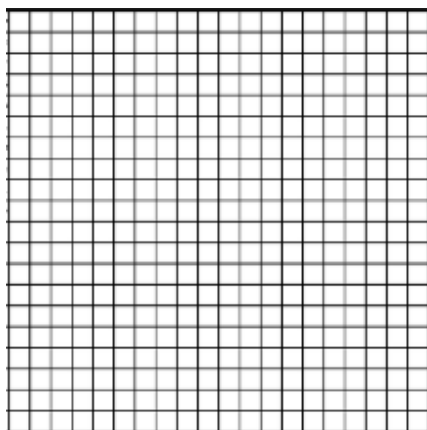
All work must be done neatly in this packet. It will be turned in at the end of the chapter. If you lose your packet, you must re-do all the work.

1

Practice Quiz Concept 1

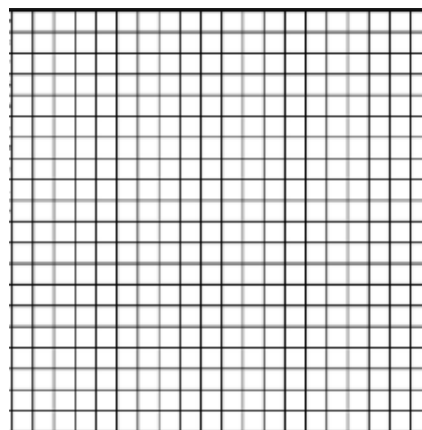
1. $y = 2x - 1$

x	Plug in	y	Ordered Pair
-2			
-1			
0			
1			
2			



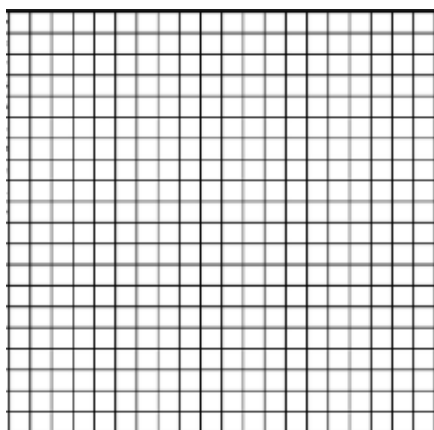
2. $y = -x - 2$

x	Plug in	y	Ordered Pair
-2			
-1			
0			
1			
2			



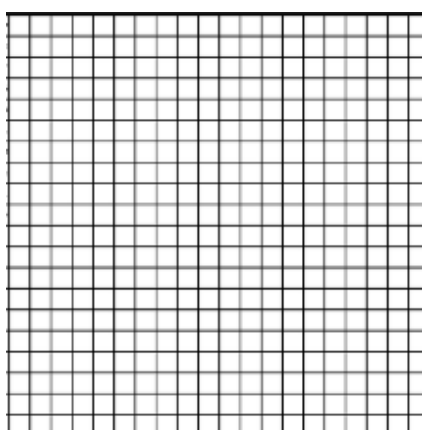
3. $y = -3x$

x	Plug in	y	Ordered Pair
-2			
-1			
0			
1			
2			



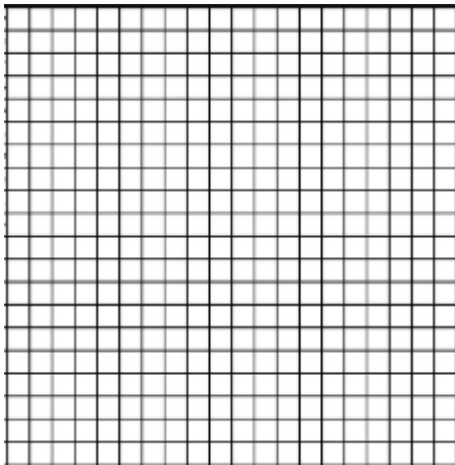
4. $y = 5x - 3$

x	Plug in	y	Ordered Pair
-2			
-1			
0			
1			
2			



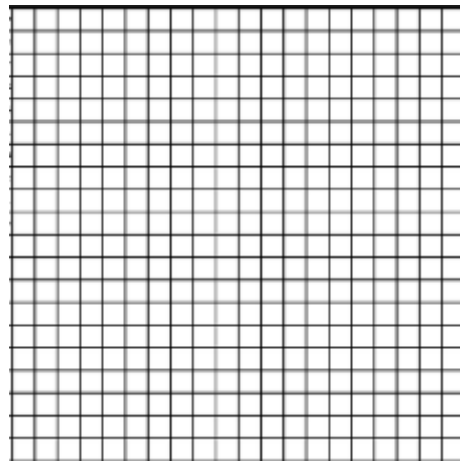
5. $y = -x + 4$

x	Plug in	y	Ordered Pair
-2			
-1			
0			
1			
2			



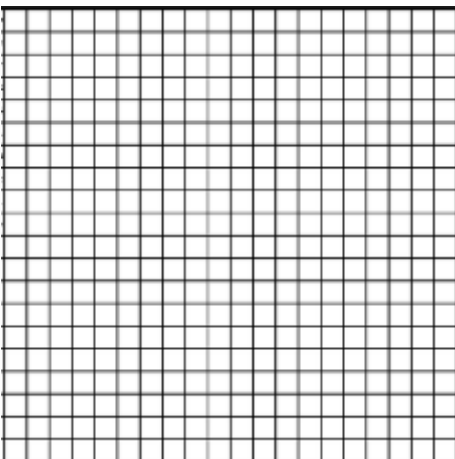
6. $y = x + 1$

x	Plug in	y	Ordered Pair
-2			
-1			
0			
1			
2			



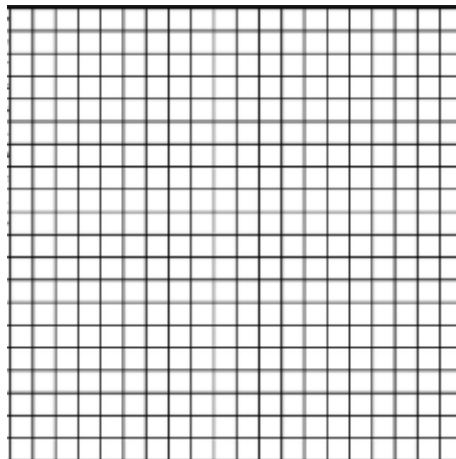
7. $y = 3x + 5$

x	Plug in	y	Ordered Pair
-2			
-1			
0			
1			
2			



8. $y = -2x - 4$

x	Plug in	y	Ordered Pair
-2			
-1			
0			
1			
2			



Practice Quiz Concept 2

9. Determine whether $(1, 6)$ lies on the graph of $y = 4x - 2$.

10. Determine whether $(5, -7)$ lies on the graph of $3y + 5x = 4$.

#11 – 18: Does the point lie on the line?

11. $(2, 5)$; $y = \frac{5}{2}x$

12. $(2, 5)$; $y = \frac{1}{2}x + 3$

13. $(2, 4)$; $y = x + 1$

14. $(4, -5)$; $y = -\frac{1}{4}x - 4$

15. $(4, 2)$; $5x + y = 4$

16. $(1, 7)$; $5x - y = -2$

17. $(3, 2)$; $2x - y = -5$

18. $(-4, -3)$; $x + 2y = 10$

PRACTICE QUIZ Concept 3

Make sure your y-intercepts are ordered pairs!

19. slope = -1 , y-intercept = 1

y-intercept: _____ equation: _____ type of line: _____

20. slope = $\frac{3}{2}$, y-intercept = 5

y-intercept: _____ equation: _____ type of line: _____

21. slope = $-\frac{1}{5}$, y-intercept = 3

y-intercept: _____ equation: _____ type of line: _____

22. slope = $\frac{7}{4}$, y-intercept = -3

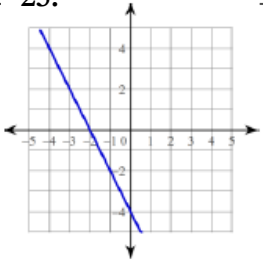
y-intercept: _____ equation: _____ type of line: _____

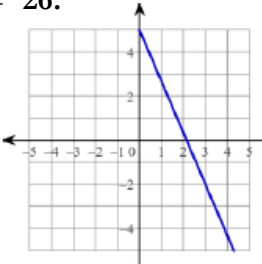
23. slope = $-\frac{2}{5}$, y-intercept = -1

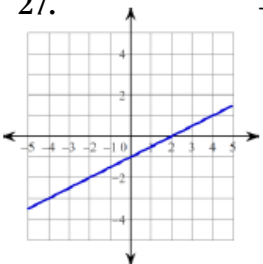
y-intercept: _____ equation: _____ type of line: _____

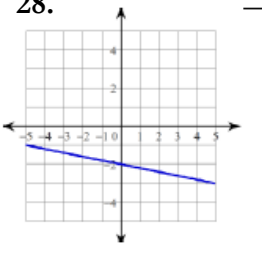
24. slope = $\frac{5}{3}$, y-intercept = -5

y-intercept: _____ equation: _____ type of line: _____

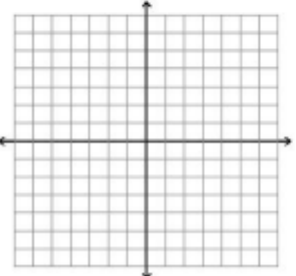
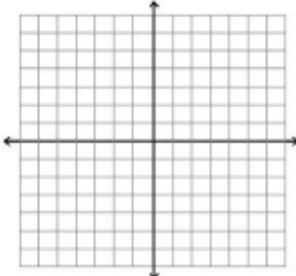
<p>25.</p>  <p>Type of line: _____</p>	Y-intercept
	Slope
	Equation

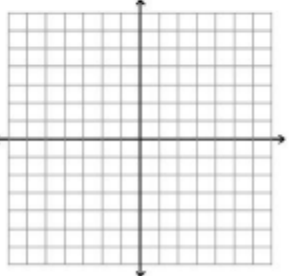
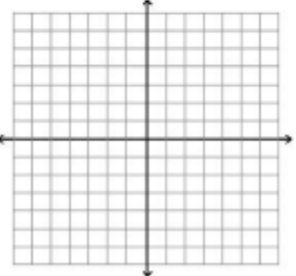
<p>26.</p>  <p>Type of line: _____</p>	Y-intercept
	Slope
	Equation

<p>27.</p>  <p>Type of line: _____</p>	Y-intercept
	Slope
	Equation

<p>28.</p>  <p>Type of line: _____</p>	Y-intercept
	Slope
	Equation

PRACTICE QUIZ Concept 4 Write the equation of the line in slope-intercept form. Then graph it.

<p>29. through $(-1, -4)$, slope = 2</p> <p>Equation: _____ Type of line: _____ Slope: _____ y-intercept: _____</p> 	<p>30. through $(-4, -2)$, slope = $\frac{7}{4}$</p> <p>Equation: _____ Type of line: _____ Slope: _____ y-intercept: _____</p> 
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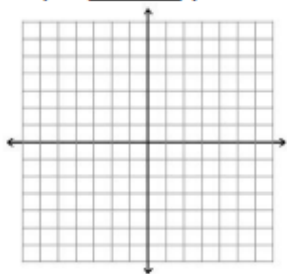
<p>31. through $(-2, 1)$, slope = $\frac{3}{2}$</p> <p>Equation: _____ Type of line: _____ Slope: _____ y-intercept: _____</p> 	<p>32. through $(3, 4)$, slope = 3</p> <p>Equation: _____ Type of line: _____ Slope: _____ y-intercept: _____</p> 
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33. through $(1, 0)$, slope = 4

Equation: _____

Type of line: _____

Slope: _____ y-intercept: _____

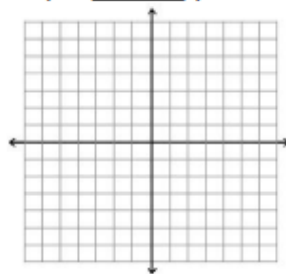


34. through $(-3, -3)$, slope = $-\frac{1}{3}$

Equation: _____

Type of line: _____

Slope: _____ y-intercept: _____

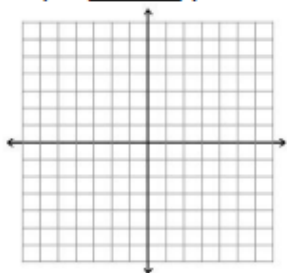


35. through $(5, -1)$, slope = $-\frac{3}{5}$

Equation: _____

Type of line: _____

Slope: _____ y-intercept: _____

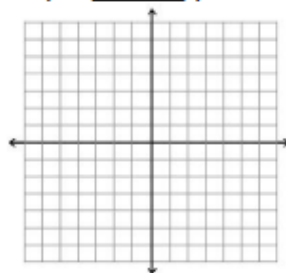


36. through $(2, 5)$, slope = 1

Equation: _____

Type of line: _____

Slope: _____ y-intercept: _____

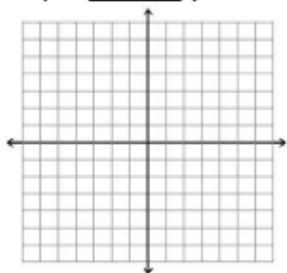


37. through $(2, -1)$, slope = $\frac{1}{2}$

Equation: _____

Type of line: _____

Slope: _____ y-intercept: _____

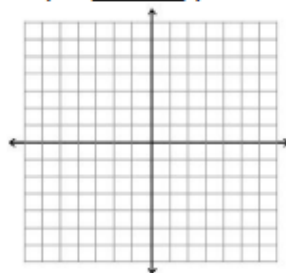


38. through $(0, -4)$, slope = $-\frac{1}{3}$

Equation: _____

Type of line: _____

Slope: _____ y-intercept: _____



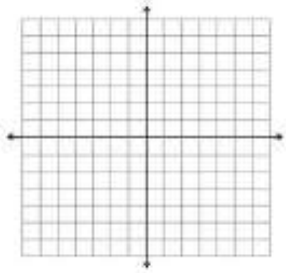
PRACTICE QUIZ Concept 5

Find the slope of the line between the two points. Then graph the line and write its equation.

7

39. through $(-1, -5)$ and $(0, 4)$

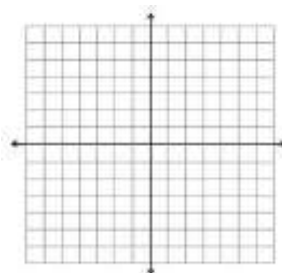
$$\frac{(\quad) - (\quad)}{(\quad) - (\quad)} =$$



1. Rise = _____ Run = _____ \rightarrow Slope = _____
2. y-intercept = _____
3. equation: _____
4. type of line: _____

40. through $(2, -4)$ and $(0, 2)$

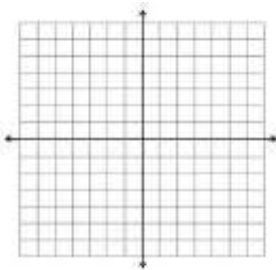
$$\frac{(\quad) - (\quad)}{(\quad) - (\quad)} =$$



1. Rise = _____ Run = _____ \rightarrow Slope = _____
2. y-intercept = _____
3. equation: _____
4. type of line: _____

41. through $(-1, -3)$ and $(0, 2)$

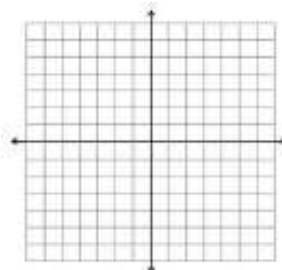
$$\frac{(\quad) - (\quad)}{(\quad) - (\quad)} =$$



1. Rise = _____ Run = _____ \rightarrow Slope = _____
2. y-intercept = _____
3. equation: _____
4. type of line: _____

42. through $(0, -1)$ and $(-4, -4)$

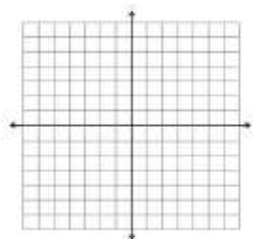
$$\frac{(\quad) - (\quad)}{(\quad) - (\quad)} =$$



1. Rise = _____ Run = _____ \rightarrow Slope = _____
2. y-intercept = _____
3. equation: _____
4. type of line: _____

43. through $(0, -2)$ and $(5, -4)$

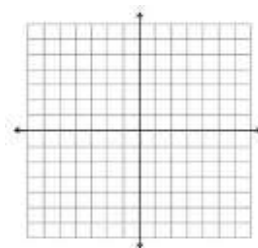
$$\frac{(\quad) - (\quad)}{(\quad) - (\quad)} =$$



1. Rise = _____ Run = _____ \rightarrow Slope = _____
2. y-intercept = _____
3. equation: _____
4. type of line: _____

44. through $(0, -1)$ and $(-4, 3)$

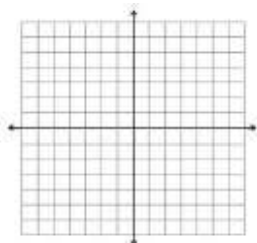
$$\frac{(\quad) - (\quad)}{(\quad) - (\quad)} =$$



1. Rise = _____ Run = _____ \rightarrow Slope = _____
2. y-intercept = _____
3. equation: _____
4. type of line: _____

45. through $(-3, 4)$ and $(-5, -4)$

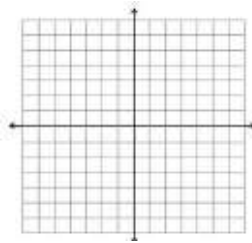
$$\frac{(\quad) - (\quad)}{(\quad) - (\quad)} =$$



1. Rise = _____ Run = _____ \rightarrow Slope = _____
2. y-intercept = _____
3. equation: _____
4. type of line: _____

46. through $(-1, -5)$ and $(0, 5)$

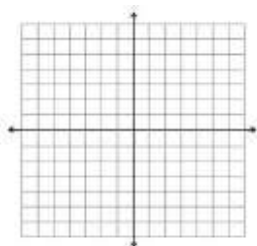
$$\frac{(\quad) - (\quad)}{(\quad) - (\quad)} =$$



1. Rise = _____ Run = _____ \rightarrow Slope = _____
2. y-intercept = _____
3. equation: _____
4. type of line: _____

47. through $(5, 1)$ and $(0, 5)$

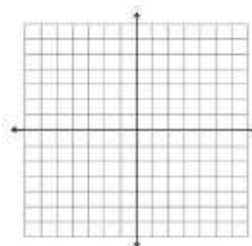
$$\frac{(\quad) - (\quad)}{(\quad) - (\quad)} =$$



1. Rise = _____ Run = _____ \rightarrow Slope = _____
2. y-intercept = _____
3. equation: _____
4. type of line: _____

48. through $(5, 1)$ and $(0, 0)$

$$\frac{(\quad) - (\quad)}{(\quad) - (\quad)} =$$



1. Rise = _____ Run = _____ \rightarrow Slope = _____
2. y-intercept = _____
3. equation: _____
4. type of line: _____

PRACTICE QUIZ Concept 6

Graph the equation of the line. Then identify all the parts.

49. $y = -\frac{1}{5}x - 5$

51. $y = 2x - 2$

53. $y = -3x + 2$

55. $y = x - 5$

57. $y = -x - 2$

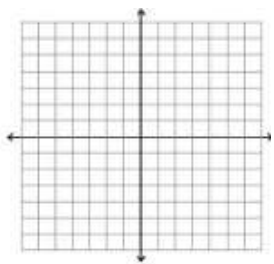
50. $y = -\frac{2}{3}x + 1$

52. $y = x - 2$

54. $y = \frac{3}{5}x + 1$

56. $y = -\frac{3}{5}x - 4$

58. $y = \frac{3}{2}x + 3$



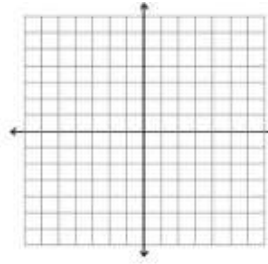
49.

slope = _____

rise = ____ *run* = ____

y-intercept = _____

type of line:



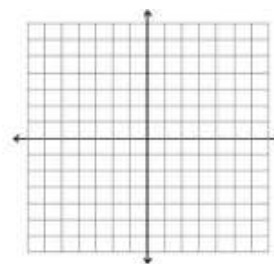
50.

slope = _____

rise = ____ *run* = ____

y-intercept = _____

type of line:



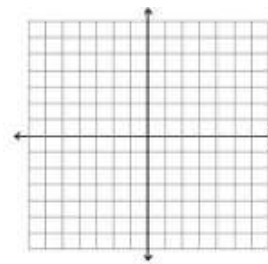
51.

slope = _____

rise = ____ *run* = ____

y-intercept = _____

type of line:



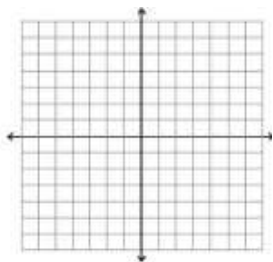
52.

slope = _____

rise = ____ *run* = ____

y-intercept = _____

type of line:



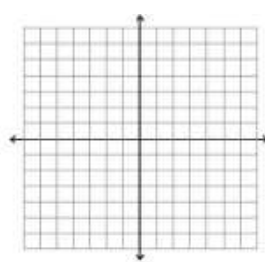
53.

slope = _____

 $rise = \underline{\quad}$ $run = \underline{\quad}$

y-intercept = _____

type of line:



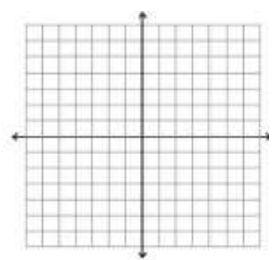
54.

slope = _____

 $rise = \underline{\quad}$ $run = \underline{\quad}$

y-intercept = _____

type of line:



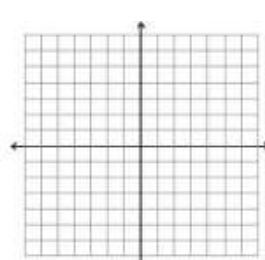
55.

slope = _____

 $rise = \underline{\quad}$ $run = \underline{\quad}$

y-intercept = _____

type of line:



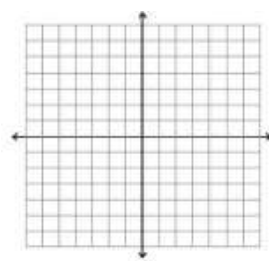
56.

slope = _____

 $rise = \underline{\quad}$ $run = \underline{\quad}$

y-intercept = _____

type of line:



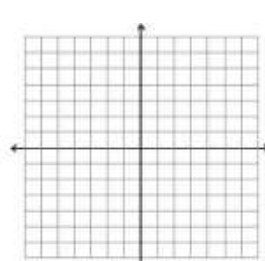
57.

slope = _____

 $rise = \underline{\quad}$ $run = \underline{\quad}$

y-intercept = _____

type of line:



58.

slope = _____

 $rise = \underline{\quad}$ $run = \underline{\quad}$

y-intercept = _____

type of line:

PRACTICE QUIZ Concept 7

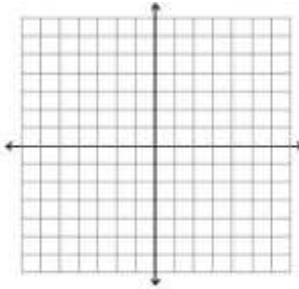
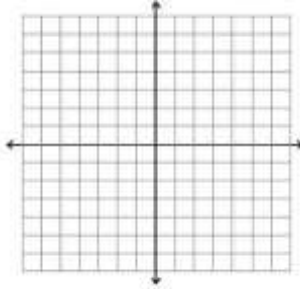
Identify the x- and y-intercepts of the line. Write intercepts as ordered pairs.

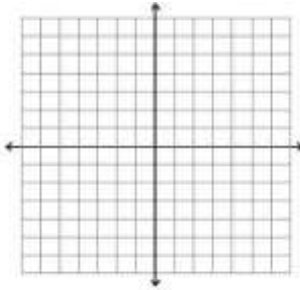
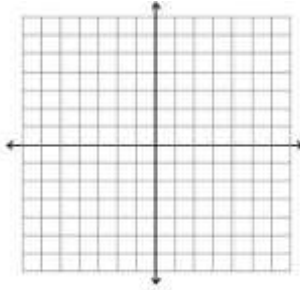
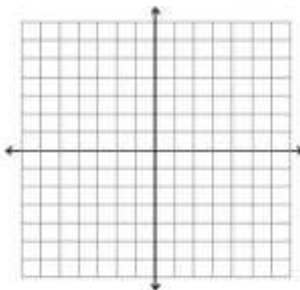
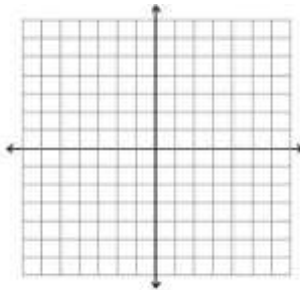
59. $2x + y = 1$	60. $x + 4y = 12$
61. $x - 5y = 10$	62. $4x - y = 4$
63. $x - 3y = -3$	64. $2x + y = -4$
65. $2x - y = -1$	66. $x - y = -2$
67. $x - y = -1$	68. $x - 3y = 12$

#	x-intercept	y-intercept	#	x-intercept	y-intercept
59			60		
61			62		
63			64		
65			66		
67			68		

PRACTICE QUIZ Concept 8

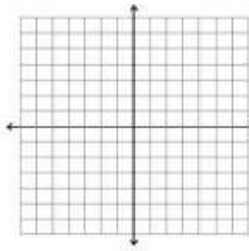
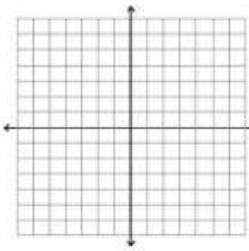
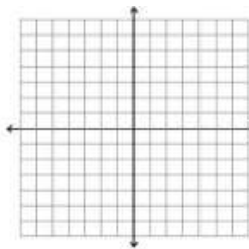
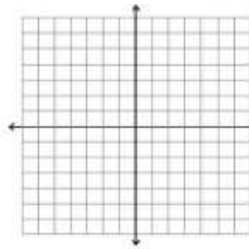
Identify the x- and y-intercepts of the line. (Write intercepts as ordered pairs.) Then graph it. Identify the slope and type of line.

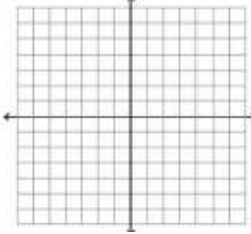
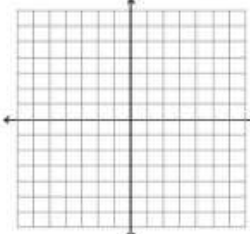
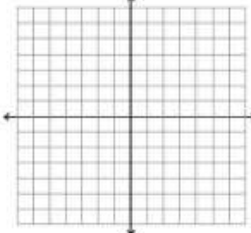
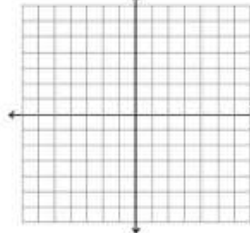
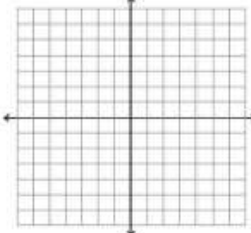
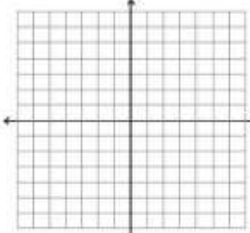
	<p>69. $5x - y = 5$</p> <p>x-intercept: _____</p> <p>y-intercept: _____</p> <p><i>Just for practice, what is the slope?</i></p> <p>_____</p> <p>What type of line?</p> <p>_____</p>		<p>70. $x + y = 1$</p> <p>x-intercept: _____</p> <p>y-intercept: _____</p> <p><i>Just for practice, what is the slope?</i></p> <p>_____</p> <p>What type of line?</p> <p>_____</p>
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	<p>71. $2x - y = 2$</p> <p>x-intercept: _____</p> <p>y-intercept: _____</p> <p><i>Just for practice, what is the slope?</i></p> <p>_____</p> <p>What type of line?</p> <p>_____</p>		<p>72. $x - y = -4$</p> <p>x-intercept: _____</p> <p>y-intercept: _____</p> <p><i>Just for practice, what is the slope?</i></p> <p>_____</p> <p>What type of line?</p> <p>_____</p>
	<p>73. $3x - 2y = 6$</p> <p>x-intercept: _____</p> <p>y-intercept: _____</p> <p><i>Just for practice, what is the slope?</i></p> <p>_____</p> <p>What type of line?</p> <p>_____</p>		<p>74. $x + 2y = -8$</p> <p>x-intercept: _____</p> <p>y-intercept: _____</p> <p><i>Just for practice, what is the slope?</i></p> <p>_____</p> <p>What type of line?</p> <p>_____</p>

PRACTICE QUIZ Concept 9

Graph the line. Identify the slope and type of line.

	<p>75. $x = 5$</p> <p>Slope: _____</p> <p>Type of line:</p> <p>_____</p>		<p>76. $x = 2$</p> <p>Slope: _____</p> <p>Type of line:</p> <p>_____</p>
	<p>77. $x = -2$</p> <p>Slope: _____</p> <p>Type of line:</p> <p>_____</p>		<p>78. $x = -4$</p> <p>Slope: _____</p> <p>Type of line:</p> <p>_____</p>

	79. $y = 3$ Slope: _____ Type of line: _____		80. $x = 4$ Slope: _____ Type of line: _____
	81. $x = 3$ Slope: _____ Type of line: _____		82. $y = -2$ Slope: _____ Type of line: _____
	83. $y = 1$ Slope: _____ Type of line: _____		84. $y = -5$ Slope: _____ Type of line: _____

PRACTICE QUIZ Concept 10 Part 1

Write the slope-intercept form of the equation of each line.

85. $2x + y = 8$	86. $14x + y = 63$
87. $5x + y = 0$	88. $3x - 7y = 23$

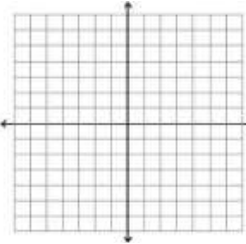
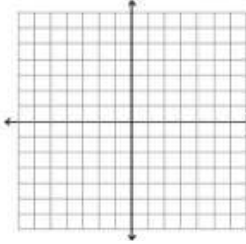
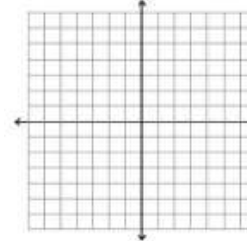
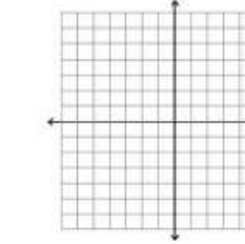
PRACTICE QUIZ Concept 10 Part 2

Write the standard form of the equation of each line.

89. $y = \frac{6}{5}x - 6$	90. $y = \frac{1}{4}x + 5$
91. $y = 2x + 4$	92. $y = -\frac{1}{2}x - 2$

Chapter 5 TEST REVIEW

Concept 1: Sketch the graph of the line.

1. $y = -\frac{1}{2}x + 5$	2. $y = 3x$	3. $y = \frac{4}{5}x - 5$	4. $y = -\frac{6}{5}x + 5$
			

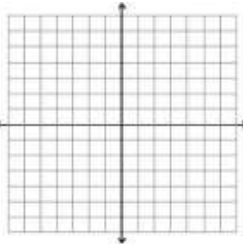
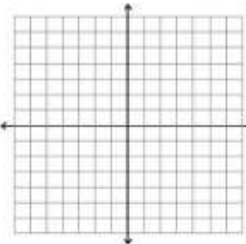
Concept 2: Does the point lie on the line? (Is the point a solution of the equation?)

5. $(2, 3); y = \frac{1}{2}x$	6. $(2, 3); y = \frac{3}{2}x + 3$	7. $(1, 2); y = x + 1$	8. $(4, -3); y = -\frac{1}{4}x - 3$
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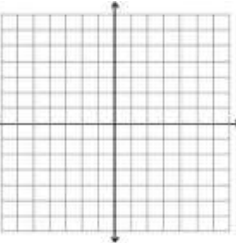
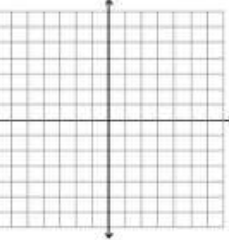
Concept 3: Write the slope-intercept form of the equation of each line given the slope and y-intercept.

9. slope = 2 y-intercept = 5	10. slope = 1 y-intercept = 4	11. slope = $\frac{7}{3}$ y-intercept = 2	12. slope = $\frac{4}{5}$ y-intercept = -4
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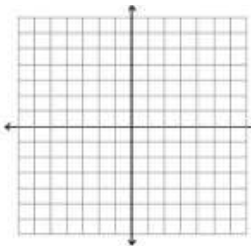
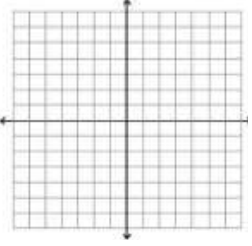
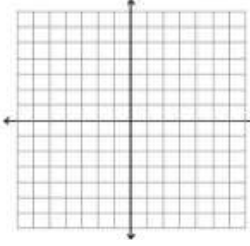
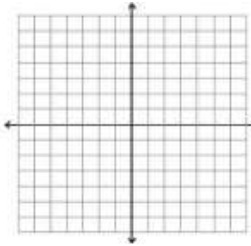
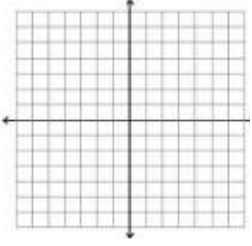
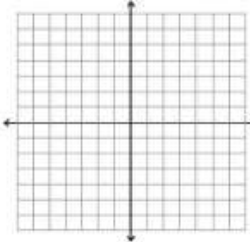
Concept 4: Write the slope-intercept form of the equation of the line through the given point with the given slope. Then graph it.

	13. through $(2, -1)$ Slope = $\frac{1}{2}$		14. through $(2, 5)$ Slope = 3
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Concept 5: Write the slope-intercept form of the equation of the line through the given points. Then graph it.

	15. through $(-4, 5)$ & $(4, -3)$		16. through $(-2, -2)$ & $(0, 5)$
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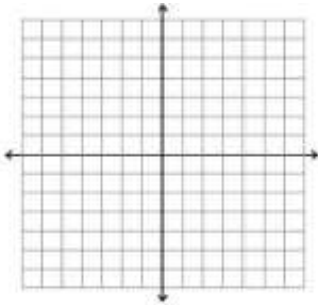
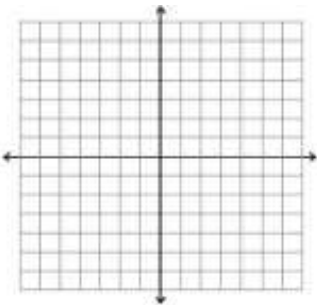
Concept 6: Sketch the graph of each line.

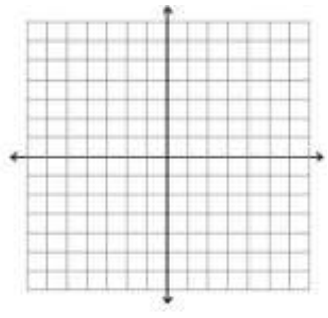
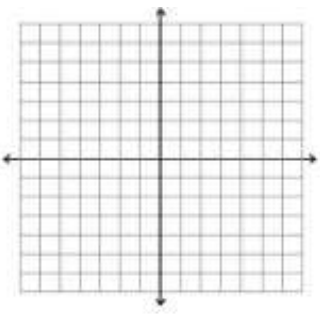
<p>17. $y = x + 4$</p> 	<p>18. $y = \frac{4}{3}x$</p> 	<p>19. $y = \frac{7}{5}x - 3$</p> 
<p>20. $y = -\frac{1}{5}x + 4$</p> 	<p>21. $y = -\frac{2}{3}x - 5$</p> 	<p>22. $y = -\frac{1}{3}x + 2$</p> 

Concept 7: Find the x- and y-intercepts of a line when given in standard form.

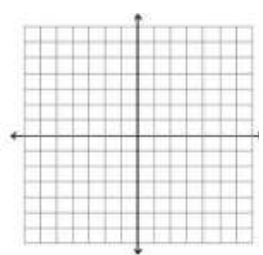
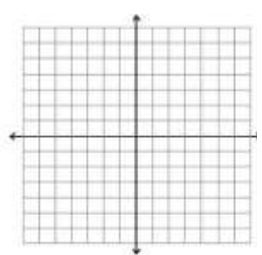
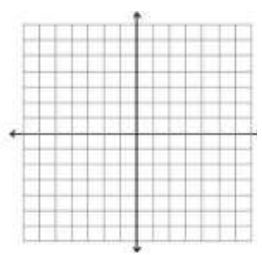
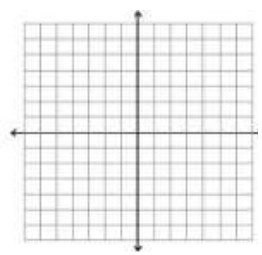
<p>23. $2x + y = 8$</p> <p style="text-align: right;">x-intercept: _____ y-intercept: _____</p>	<p>24. $-x + 3y = 9$</p> <p style="text-align: right;">x-intercept: _____ y-intercept: _____</p>
<p>25. $6x - 5y = 30$</p> <p style="text-align: right;">x-intercept: _____ y-intercept: _____</p>	<p>26. $3x - 6y = -18$</p> <p style="text-align: right;">x-intercept: _____ y-intercept: _____</p>

Concept 8: Sketch the graph of each line.

<p>27. $x + 5y = 20$</p> <p>x-intercept: _____ y-intercept: _____</p> 	<p>28. $4x - y = 0$</p> <p>x-intercept: _____ y-intercept: _____</p> 
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<p>29. $x + y = -2$ x-intercept: _____ y-intercept: _____</p> 	<p>30. $x - 2y = -8$ x-intercept: _____ y-intercept: _____</p> 
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Concept 9: Sketch the graph of each line.

<p>31. $x = -5$</p> 	<p>32. $y = -5$</p> 	<p>33. $y = 3$</p> 	<p>34. $x = 2$</p> 
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Concept 10 Part 1: Write the slope-intercept form of the equation of each line.

<p>35. $y = x - 5$</p>	<p>36. $y = 5x - 2$</p>
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Concept 10 Part 2: Write the standard form of the equation of each line.

<p>37. $5x + 2y = 2$</p>	<p>38. $6x - y = 2$</p>
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