

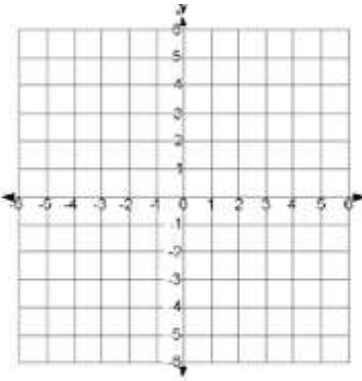
Concept 6: Sketch the graph of each line.

1) $y = 2x - 1$

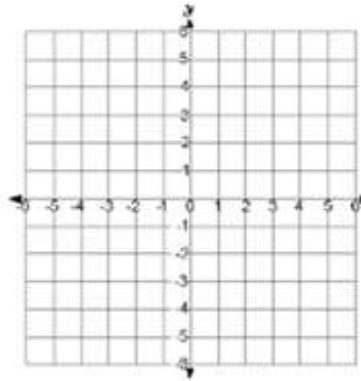
Slope = _____

2) $y = -\frac{4}{3}x + 1$

Slope = _____



rise = _____ run = _____



rise = _____ run = _____

y-intercept = _____

y-intercept = _____

What type of line:

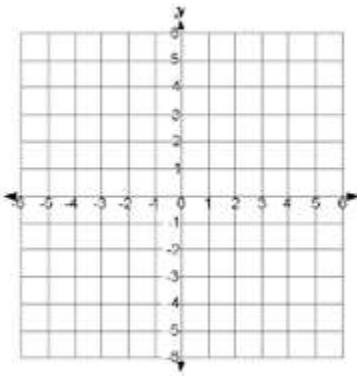
What type of line:

3) $y = -5x - 1$

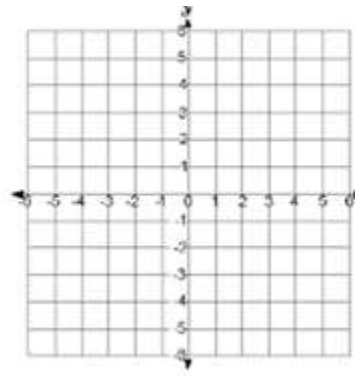
Slope = _____

4) $y = -\frac{5}{4}x + 4$

Slope = _____



rise = _____ run = _____



rise = _____ run = _____

y-intercept = _____

y-intercept = _____

What type of line:

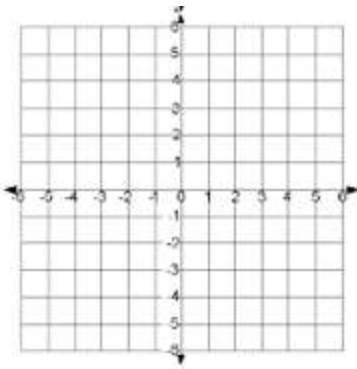
What type of line:

5) $y = \frac{9}{4}x - 5$

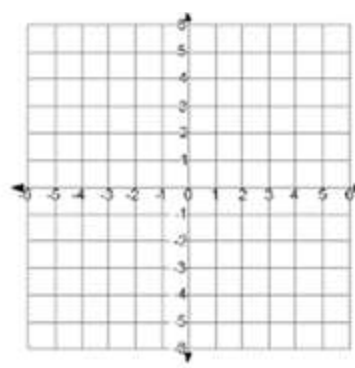
Slope = _____

6) $y = -x - 4$

Slope = _____



rise = _____ run = _____



rise = _____ run = _____

y-intercept = _____

y-intercept = _____

What type of line:

What type of line:

Chapter 5B CONCEPT 7

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

1) $x + 2y = 8$

x-intercept: _____ y-intercept: _____

2) $3x - y = 9$

x-intercept: _____ y-intercept: _____

2) $-5x + 6y = 30$

x-intercept: _____ y-intercept: _____

4) $-6x + 3y = -9$

x-intercept: _____ y-intercept: _____

5) $-3x + y = 6$

x-intercept: _____ y-intercept: _____

6) $5x - 3y = 15$

x-intercept: _____ y-intercept: _____

7) $3x - 4y = -12$

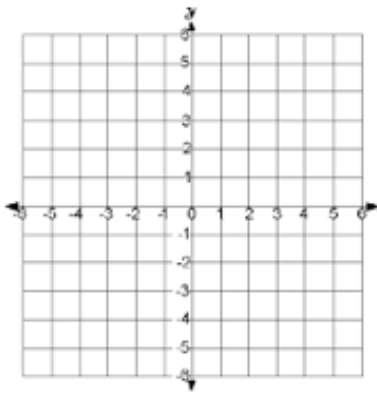
x-intercept: _____ y-intercept: _____

8) $4x + 8y = 16$

x-intercept: _____ y-intercept: _____

Concept 8: Sketch the graph of each line.

1) $2x - 3y = 6$



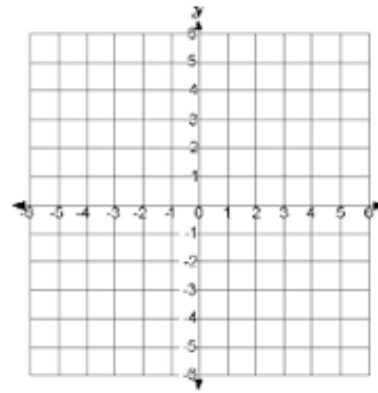
x-intercept= _____

y-intercept= _____

Just for practice what is the slope? _____

What type of line:

2) $x + y = 2$



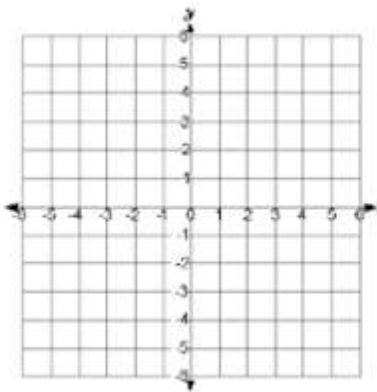
x-intercept= _____

y-intercept= _____

Just for practice what is the slope? _____

What type of line:

3) $4x + 5y = -20$



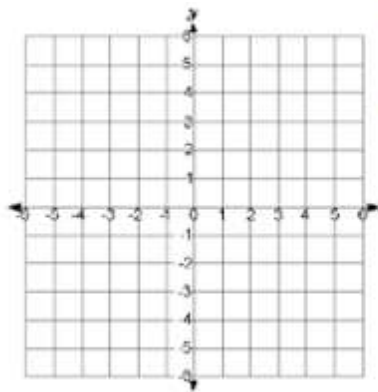
x-intercept= _____

y-intercept= _____

Just for practice what is the slope? _____

What type of line:

4) $x - 4y = 4$



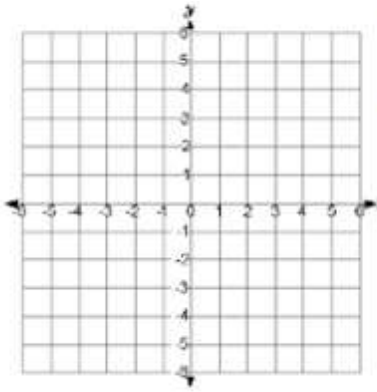
x-intercept= _____

y-intercept= _____

Just for practice what is the slope? _____

What type of line:

5) $x + y = -1$



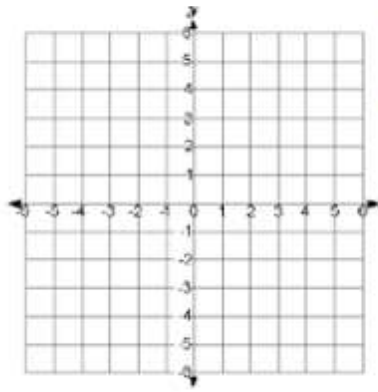
x-intercept= _____

y-intercept= _____

Just for practice what is the slope? _____

What type of line:

6) $6x + 3y = 18$



x-intercept= _____

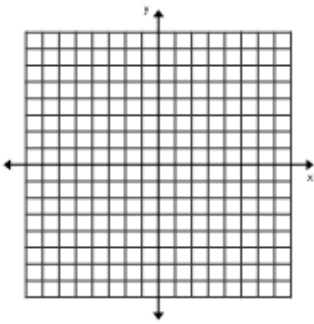
y-intercept= _____

Just for practice what is the slope? _____

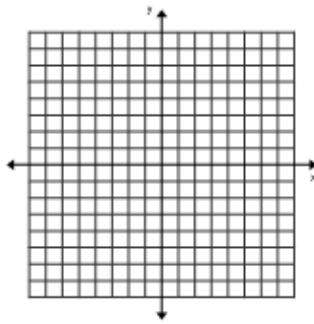
What type of line:

Concept 9: Sketch the graph of each line.

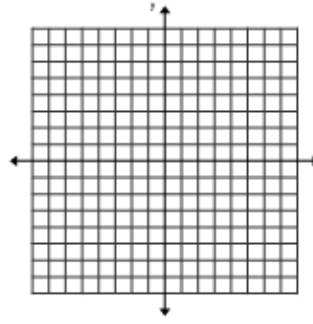
1) $y = -2$



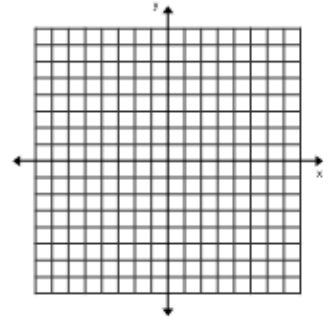
2) $y = 2$



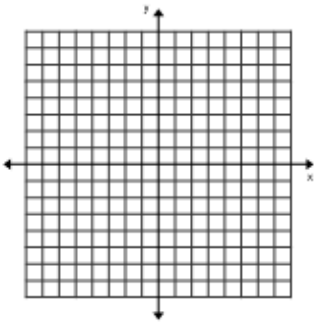
3) $x = -3$



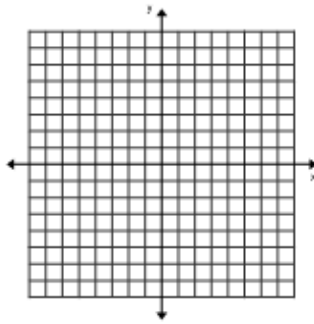
4) $x = -1$



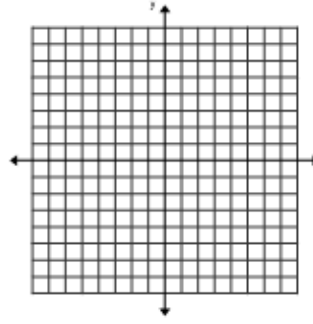
5) $y = 5$



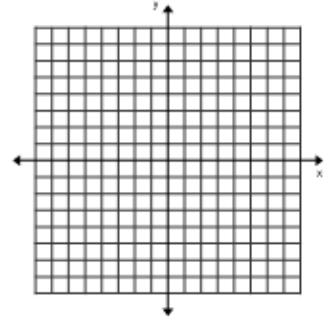
6) $x = 0$



7) $x = 2$



8) $y = -3$



Concept 10:

PART 1 – Convert from standard form into slope-intercept form.

1) $x + 3y = -6$

2) $x + y = 1$

3) $7x - 3y = 6$

4) $3x - y = -5$

PART 2 – Convert from slope-intercept form into standard form.

5) $y = -x - 2$

6) $y = \frac{1}{3}x - 1$

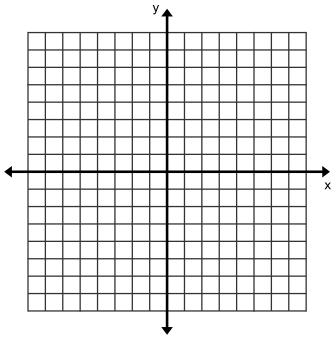
7) $y = -2x + 2$

8) $y = -\frac{3}{5}x + 4$

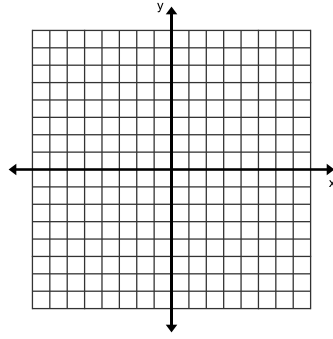
Chapter 5B TEST REVIEW

Concept 6: Sketch the graph of each line using any method.

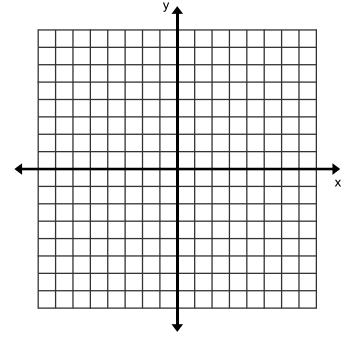
1) $y = x + 4$



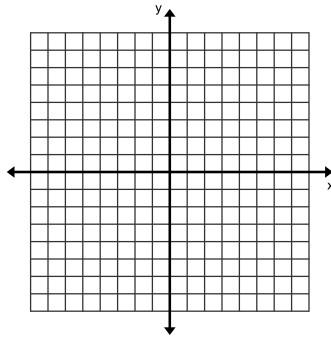
2) $y = \frac{4}{3}x$



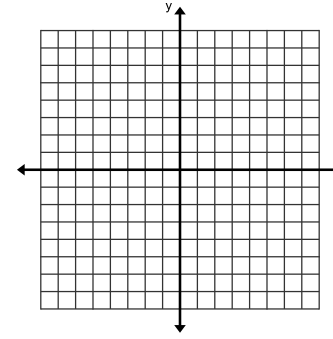
3) $y = \frac{7}{5}x - 3$



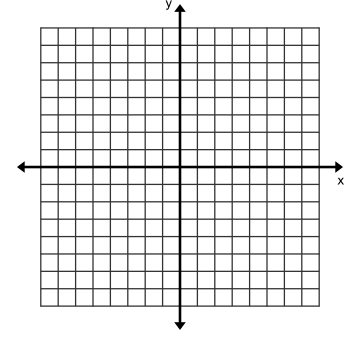
4) $y = -\frac{1}{5}x + 4$



5) $y = -\frac{2}{3}x - 5$



6) $y = -\frac{1}{3}x + 2$



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

7) $2x + y = 8$

x - intercept: _____

y - intercept: _____

8) $-x + 3y = 9$

x - intercept: _____

y - intercept: _____

9) $6x - 5y = 30$

x - intercept: _____

y - intercept: _____

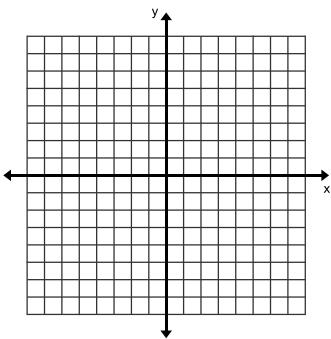
10) $3x - 6y = -18$

x - intercept: _____

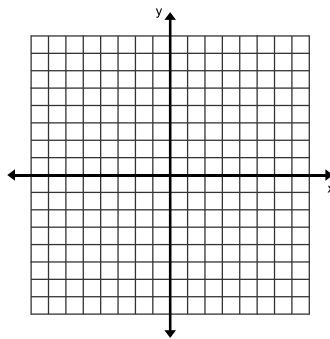
y - intercept: _____

Concept 8: Sketch the graph of each line using any method.

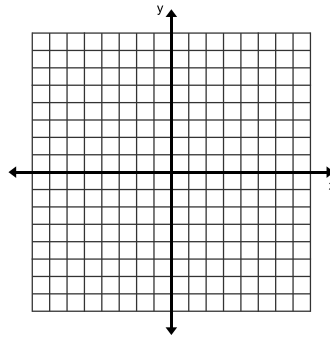
11) $x + 5y = 20$



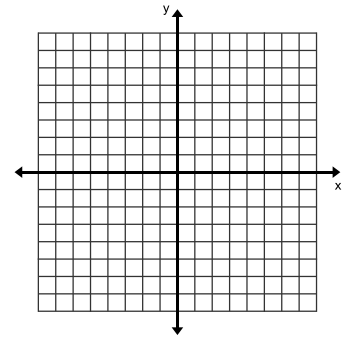
12) $4x - y = 0$



13) $x + y = -2$

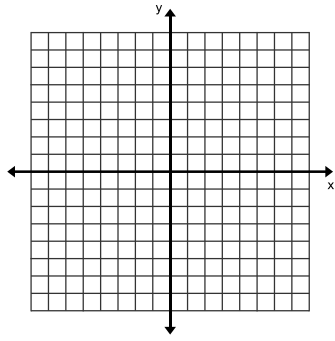


14) $x - 2y = -8$

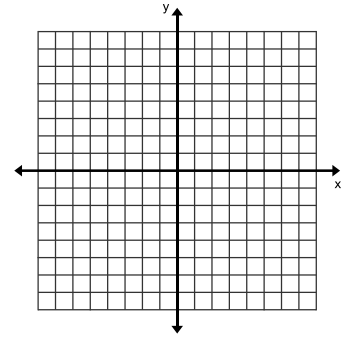


Concept 9: Sketch the graph of each line.

15) $x = -5$



16) $y = -2$



Concept 10 (part 1): Convert from slope-intercept form into standard form.

17) $y = x - 5$

18) $y = 5x - 2$

Concept 10 (part 2): Convert from standard form into slope-intercept form.

19) $5x + 2y = 2$

20) $6x + y = 2$