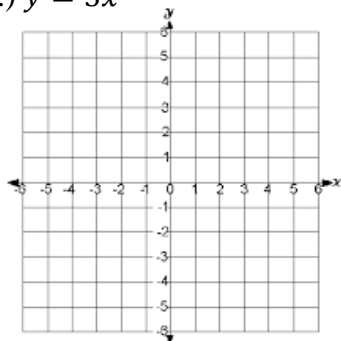


Lesson 2.3 Worksheet

Name: _____

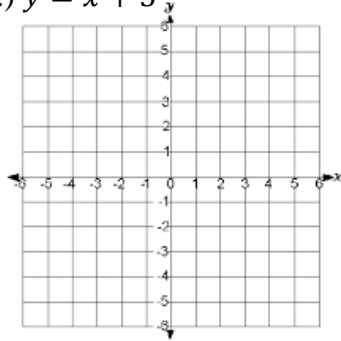
Graph the equation using its slope and y-intercept. Compare the graph with the graph of $y = x$.

1.) $y = 3x$



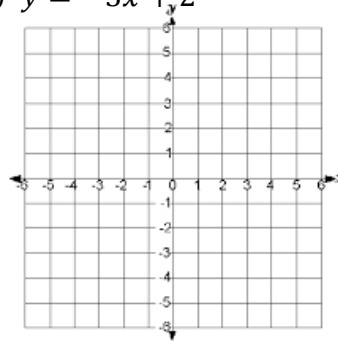
comparison: _____

2.) $y = x + 5$



comparison: _____

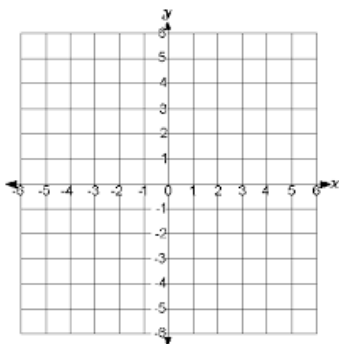
3.) $y = -3x + 2$



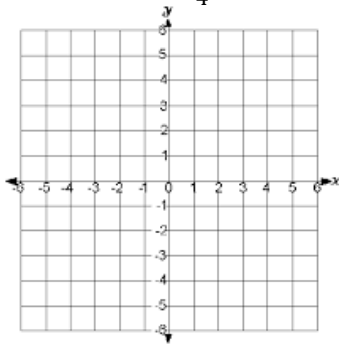
comparison: _____

Graph the equation using its slope and y-intercept.

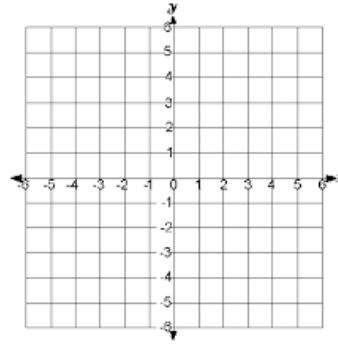
4.) $y = -x - 3$



5.) $f(x) = -\frac{5}{4}x + 1$



6.) $f(x) = -1.5x + 2$



Find the x- and y-intercepts of the line with the given equation. Write your intercepts as ordered pairs.

7.) $x - y = 4$

x-intercept: _____

y-intercept: _____

8.) $3x - 4y = -12$

x-intercept: _____

y-intercept: _____

9.) $4x - 5y = 20$

x-intercept: _____

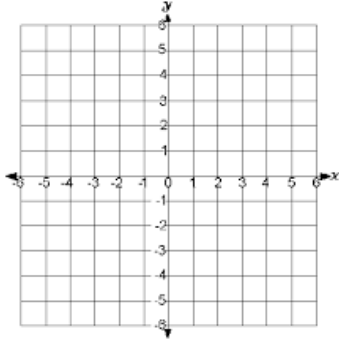
y-intercept: _____

Graph the equation using its x- and y-intercepts. Write your intercepts as ordered pairs.

10.) $2x - 6y = -12$

x-intercept: _____

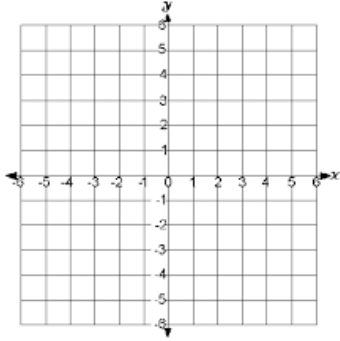
y-intercept: _____



11.) $3x + 4y = 12$

x-intercept: _____

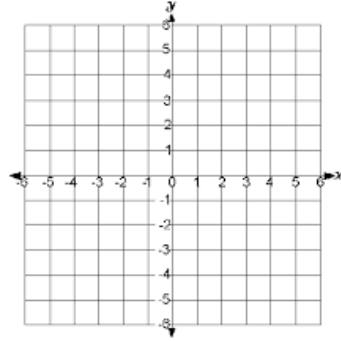
y-intercept: _____



12.) $-x - y = 6$

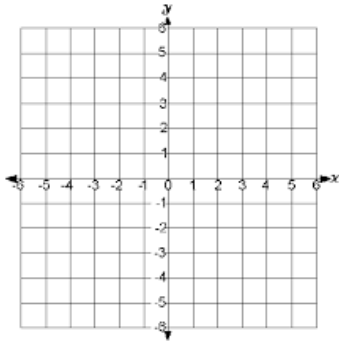
x-intercept: _____

y-intercept: _____

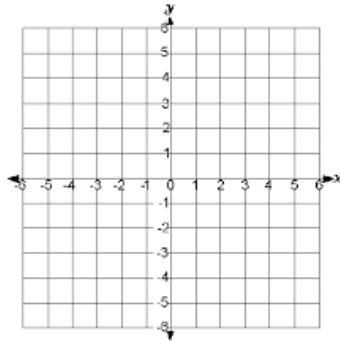


Graph the equation using any method.

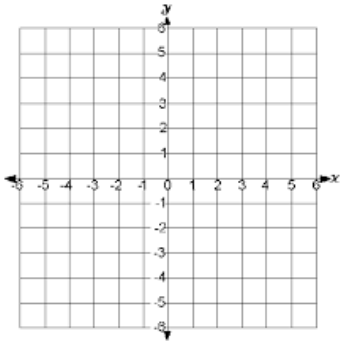
13.) $x = 4$



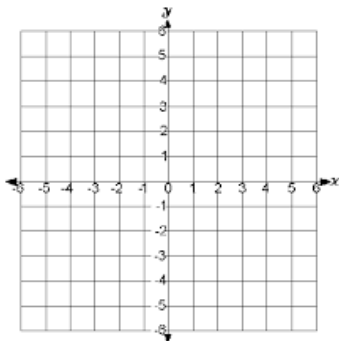
14.) $6y = 3x + 6$



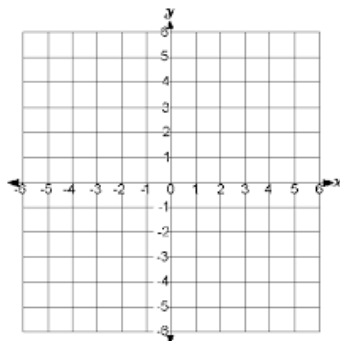
15.) $y = -2$



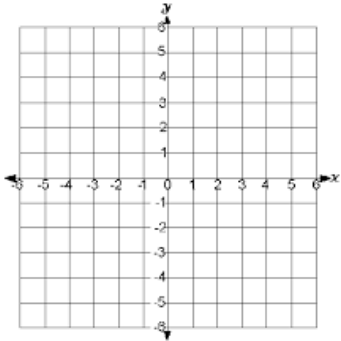
16.) $8y = -2x + 24$



17.) $-4x = 8y + 12$



18.) $4y = 16$



Determine whether the lines are parallel, perpendicular, or neither.

- 19.) Line 1: through (5, 8) and (7, 2)
Line 2: through (-7, -2) and (-4, -1)

Tell whether the relation is a function. Explain how you know.

- 20.) (2, -5), (-2, 5), (-1, 4), (-2, 0), (3, -4)
function? _____

explain: