

Station 1
Identify the slope and y-intercept.

1. $y = 2x - 7$

$m =$ _____

y-int. _____

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

$m =$ _____

y-intercept = _____

3. $y = -2$

$m =$ _____

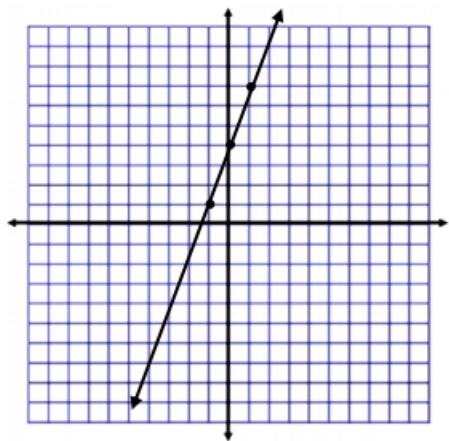
y-intercept = _____

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

$m =$ _____

y-intercept = _____

5.

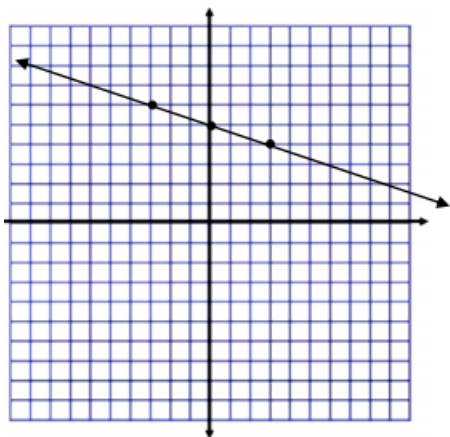


Slope: _____

y-int: _____

Equation: _____

6.



Slope: _____

y-int: _____

Equation: _____

Station 2

Write the equation of the line given the slope and y -intercept.

1) Slope = $-\frac{2}{3}$, y -int = 1

2) Slope = $\frac{4}{5}$, y -int = -1

3) Slope = $-\frac{1}{3}$, y -int = 3

4) Slope = -3 , y -int = -5

5) Slope = $\frac{8}{3}$, y -int = 5

6) Slope = -1 , y -int = -1

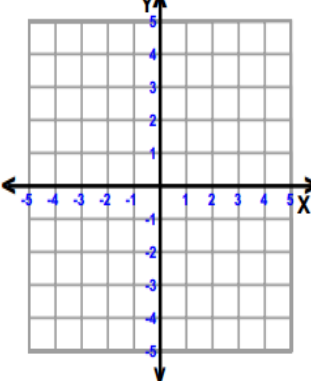
7) Slope = 4, y -int = 0

8) Slope = 1, y -int = 2

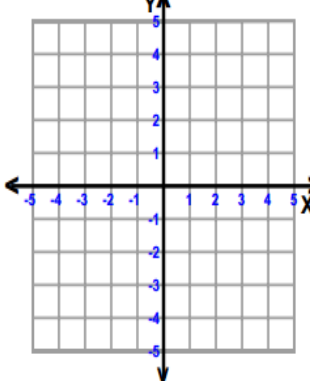
9) Slope = $-\frac{5}{2}$, y -int = 4

10) Slope = $\frac{1}{2}$, y -int = -3

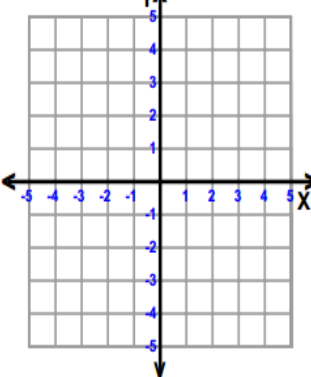
Station 3
Sketch the line of each graph

1)  $y = -2x + 2$

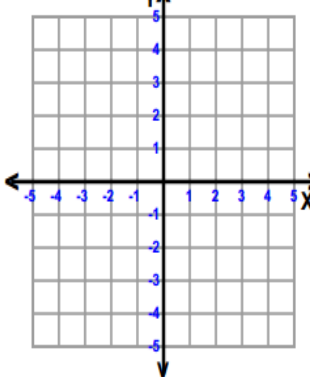
slope = _____
y-intercept = _____

2)  $y = -4x + 4$

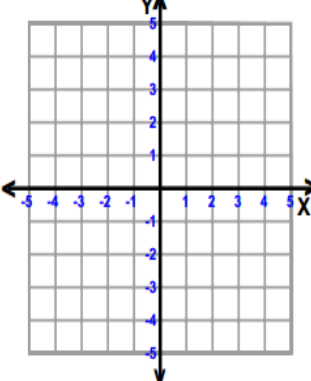
slope = _____
y-intercept = _____

3)  $y = -\frac{5}{2}x - 1$

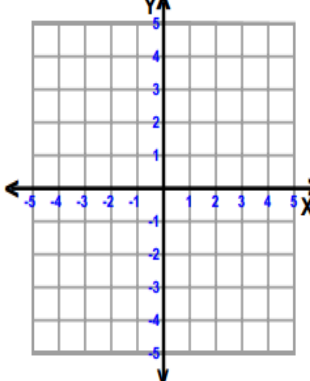
slope = _____
y-intercept = _____

4)  $y = -x + 3$

slope = _____
y-intercept = _____

5)  $y = 2x - 2$

slope = _____
y-intercept = _____

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

slope = _____
y-intercept = _____

Station 4:

$y = mx + b$ or $y = mx - b$

Equation A: $y = 2x + 1$

Fill in the table of values:

x	y
-2	
-1	
0	
1	
2	

Answer the following questions:

1. What is the slope of the function? _____
2. What is the y-intercept? (_____, _____)

Equation B: $y = -2x + 1$

Fill in the table of values:

x	y
-2	
-1	
0	
1	
2	

Answer the following questions:

1. What is the slope of the function? _____
2. What is the y-intercept? (_____, _____)