

Which equation would produce the steepest line and which equation would produce a higher y-intercept?

$y = 5x + 1$

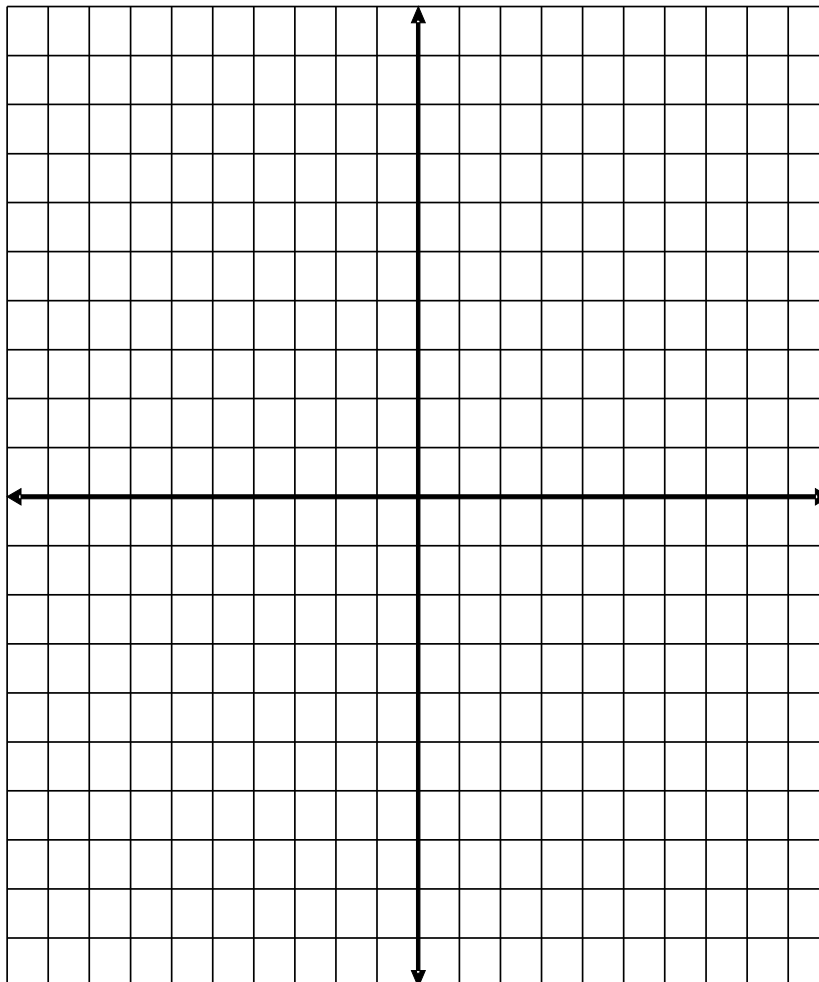
$y = 2x + 7$

x	y
0	
1	
2	

$y = 5(\quad) + 1$
 $y =$ _____
 $y = 5(\quad) + 1$
 $y =$ _____
 $y = 5(\quad) + 1$
 $y =$ _____

x	y
0	
1	
2	

$y = 2(\quad) + 7$
 $y =$ _____
 $y = 2(\quad) + 7$
 $y =$ _____
 $y = 2(\quad) + 7$
 $y =$ _____



x	y
30	3
27	2
24	1
21	0
18	-1
15	-2

Slope = _____

y-intercept = _____

Equation: _____

STEP 1: Write down one of the order pairs from the table:

Point : (,)

STEP 2: Find the y-intercept (b). Use the point from step 1 and the slope you found above to substitute these values into the $y = mx + b$ equation and solve for "b" .

STEP 3: Write the equation of the line: