

2016 Mathematics Standards of Learning
Algebra Readiness Formative Assessment

8.16b

1. The table of values below represents a linear relationship.

x	y
-4	6
0	3
4	0

What is the slope and y-intercept for this line?

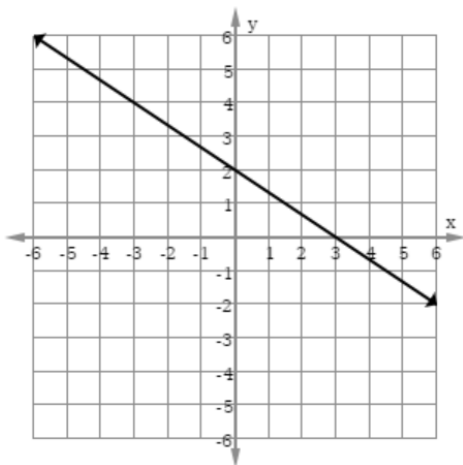
slope _____ y-intercept _____

2. The equation $y = -4x - 10$ represents a linear relationship.

What is the slope and y-intercept for this line?

slope _____ y-intercept _____

3. Choose two true statements about the slope and y-intercept of the linear function shown.



The slope is $\frac{2}{3}$.
The slope is $\frac{3}{2}$.
The slope is $-\frac{2}{3}$.
The slope is $-\frac{3}{2}$.

The y-intercept is 2.
The y-intercept is 3.
The y-intercept is -2.
The y-intercept is -3.

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4. Which is an equation for a line with a slope of -4 and a y-intercept of 5?

A. $y = 5x - 4$

B. $y = -4x + 5$

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

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

5. Which table of values represents a line with a slope of -1 and a y-intercept of 4?

A.

x	y
-1	-5
0	-1
1	-3

B.

x	y
-4	8
0	4
4	0

C.

x	y
-1	0
0	-4
1	-8

D.

x	y
-4	0
0	4
4	8

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