

Section 9-6: The Intercepts of a Line

Slope and y-Intercept

1. 089919a, P.I. A.A.37
What is the slope of the line whose equation is $3x - 4y - 16 = 0$?
[A] $\frac{3}{4}$ [B] 3 [C] $\frac{4}{3}$ [D] -4
2. 060205a, P.I. A.A.37
What is the slope of the linear equation $5y - 10x = -15$?
[A] 2 [B] 10 [C] -15 [D] -10
3. 060428a, P.I. A.A.37
The line $3x - 2y = 12$ has
[A] a slope of 3 and a y-intercept of -2
[B] a slope of $-\frac{3}{2}$ and a y-intercept of 6
[C] a slope of $\frac{3}{2}$ and a y-intercept of -6
[D] a slope of -3 and a y-intercept of -6
4. 080619a, P.I. A.A.39
The graph of the equation $x + 3y = 6$ intersects the y-axis at the point whose coordinates are
[A] (0,2) [B] (0,6)
[C] (0,18) [D] (6,0)
5. 010203a, P.I. A.A.37
What is the slope of the line whose equation is $2y = 5x + 4$?
[A] $\frac{2}{5}$ [B] 2 [C] $\frac{5}{2}$ [D] 5
6. 010408a, P.I. 8.G.16
An equation of the line that has a slope of 3 and a y-intercept of -2 is
[A] $y = -x$ [B] $y = -2x + 3$
[C] $x = 3y - 2$ [D] $y = 3x - 2$
7. 010605a
What is the y-intercept of the graph of the line whose equation is $y = -\frac{2}{5}x + 4$?
[A] $-\frac{5}{2}$ [B] 4 [C] 0 [D] $-\frac{2}{5}$
8. 060521a, P.I. A.A.34
If point (-1,0) is on the line whose equation is $y = 2x + b$, what is the value of b ?
[A] 0 [B] 1 [C] 2 [D] 3

[1] A

[2] A

[3] C

[4] A

[5] C

[6] D

[7] B

[8] C