

Lesson 6-4: Standard Form

Part 1: Graphing Equations Using Intercepts

1. 060428a, P.I. A.A.37

The line $3x - 2y = 12$ has

- [A] a slope of $\frac{3}{2}$ and a y -intercept of -6
[B] a slope of -3 and a y -intercept of -6
[C] a slope of 3 and a y -intercept of -2
[D] a slope of $-\frac{3}{2}$ and a y -intercept of 6

2. 089919a, P.I. A.A.37

What is the slope of the line whose equation is $3x - 4y - 16 = 0$?

- [A] $\frac{4}{3}$ [B] 3 [C] -4 [D] $\frac{3}{4}$

3. 060205a, P.I. A.A.37

What is the slope of the linear equation $5y - 10x = -15$?

- [A] 10 [B] 2 [C] -10 [D] -15

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] (6,0) [B] (0,2)
[C] (0,6) [D] (0,18)

5. 080628a, P.I. A.A.39

Point $(k, -3)$ lies on the line whose equation is $x - 2y = -2$. What is the value of k ?

- [A] 6 [B] 8 [C] -8 [D] -6

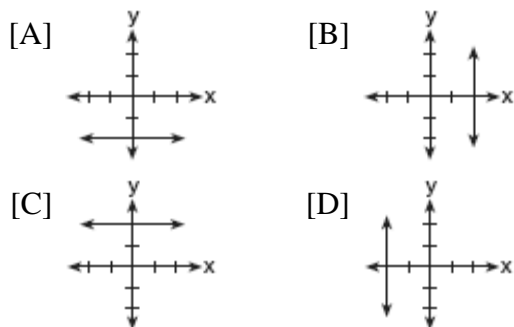
6. 060721a, P.I. A.A.39

The graph of the equation $2x + 6y = 4$ passes through point $(x, -2)$. What is the value of x ?

- [A] 16 [B] 8 [C] -4 [D] 4

7. 060523a, P.I. A.A.36

Which graph represents the equation $x = 2$?



8. 060613a, P.I. A.A.36

Which statement describes the graph of $x = 4$?

- [A] It has a slope of 4.
[B] It is parallel to the x -axis.
[C] It passes through the point $(0, 4)$.
[D] It is parallel to the y -axis.

[1] A

[2] D

[3] B

[4] B

[5] C

[6] B

[7] B

[8] D