

NAME: _____

P.I. A.A.10: Solve systems of two linear equations in two variables algebraically

Solve the system by substitution:

1. $y = 3x + 6$

$$y = 4x$$

[A] (7, 28)

[B] (-6, -9)

[C] (1, 9)

[D] (6, 24)

2. $y = 2x - 4$

$$y = 3x$$

[A] (-3, -9)

[B] (-4, -12)

[C] (4, 2)

[D] (1, -2)

3. $y = 4x + 3$

$$y = 5x$$

[A] (4, 20)

[B] (-3, -7)

[C] (3, 15)

[D] (1, 7)

4. $y = 3x - 5$

$$y = 4x$$

[A] (5, 2)

[B] (1, -2)

[C] (-5, -20)

[D] (-4, -16)

5. $y = x + 2$

$$y = 2x$$

[A] (1, 3)

[B] (3, 6)

[C] (2, 4)

[D] (-2, -3)

6. Solve the system by substitution: $y = 3x - 1$

$$y = 4x$$

7. Solve the system by substitution: $y = 2x - 3$

$$y = 3x$$

8. Solve the system by substitution: $y = x - 4$

$$y = 2x$$

9. Solve the system by substitution: $y = 2x + 3$

$$y = 3x$$

10. Solve the system by substitution: $y = 4x - 6$

$$y = 5x$$

[1] D

[2] B

[3] C

[4] C

[5] C

[6] $(-1, -4)$

[7] $(-3, -9)$

[8] $(-4, -8)$

[9] $(3, 9)$

[10] $(-6, -30)$