

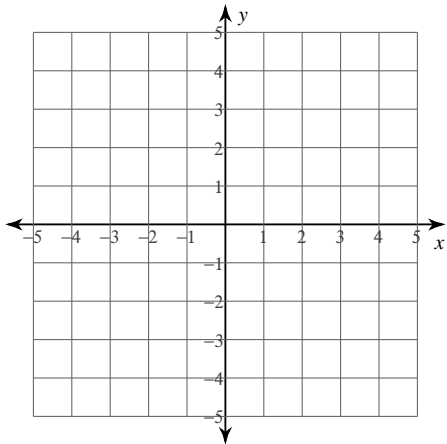
**Practice Test: Solving systems by graphing, substitution, and elimination**

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**Solve each system by graphing.**

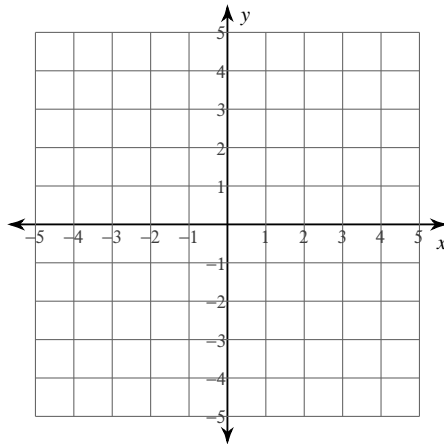
$$1) \ y = \frac{1}{2}x - 2$$

$$y = 3x + 3$$



$$2) \ y = x - 4$$

$$y = -\frac{2}{3}x + 1$$

**Solve each system by substitution.**

$$3) \ -4x - 5y = 15$$

$$y = -5x - 3$$

$$4) \ -3x - 5y = -5$$

$$y = -2x + 8$$

$$\begin{aligned} 5) \quad & 6x - 3y = 7 \\ & -2x + y = -8 \end{aligned}$$

$$\begin{aligned} 6) \quad & x + 8y = 18 \\ & -7x + 4y = -6 \end{aligned}$$

**Solve each system by elimination.**

$$\begin{aligned} 7) \quad & x + y = -10 \\ & 10x - y = -1 \end{aligned}$$

$$\begin{aligned} 8) \quad & 4x - 4y = -4 \\ & 12x - 12y = -12 \end{aligned}$$

$$\begin{aligned} 9) \quad & 4x - 5y = 9 \\ & 5x - 6y = 9 \end{aligned}$$

$$\begin{aligned} 10) \quad & 5x - 7y = 19 \\ & -4x + 5y = -17 \end{aligned}$$

## Answers to Practice Test: Solving systems by graphing, substitution, and elimination

1)  $(-2, -3)$

2)  $(3, -1)$

3)  $(0, -3)$

4)  $(5, -2)$

5) No solution

6)  $(2, 2)$

7)  $(-1, -9)$

8) No solution

9)  $(-9, -9)$

10)  $(8, 3)$