Use elimination to find the solution to the system of equations.

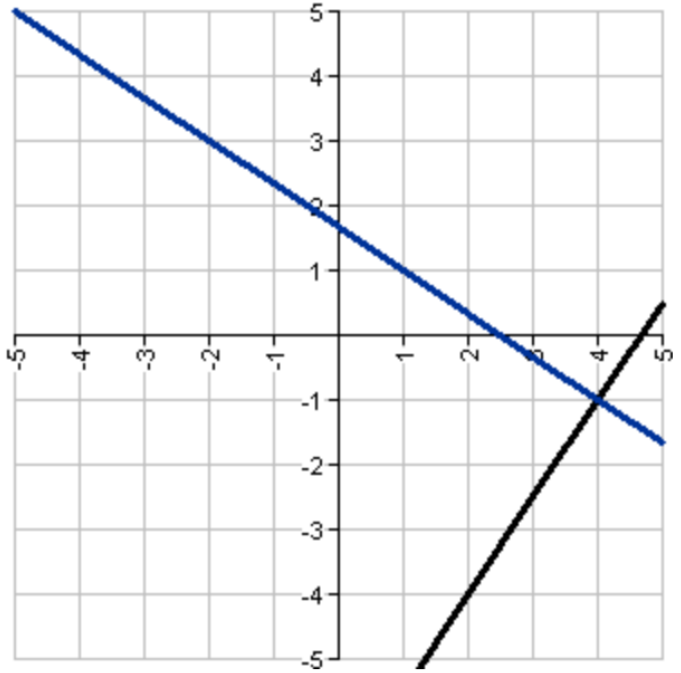
$$5x + y = 9$$
$$3x - 3y = 27$$

- **A.** $x = 5, y = -16$
- **B.** $x = 6, y = 3$
- **C.** $x = 3, y = -6$
- **D.** $x = 14, y = 5$

The following system of equations is graphed below.

$$3x - 2y = 14$$
$$2x + 3y = 5$$

Find the solution to the system.



- **A.** $x = 4, y = -1$
- **B.** $x = 4, y = 1$
- **C.** $x = -4, y = 1$
- **D.** $x = -4, y = -1$

elimination

Solve for y in the two equations below using ~~substitution~~.

$$5x - 10y = 25$$

$$5x + 10y = 125$$

- **A.** $y = \frac{15}{2}$
- **B.** $y = 10$
- **C.** $y = 5$
- **D.** $y = 15$

Use elimination to find the solution to the system of equations.

$$-x + 2y = 6$$
$$5x + 6y = 2$$

A. $x = -2, y = 2$

B. $x = 3, y = \frac{9}{2}$

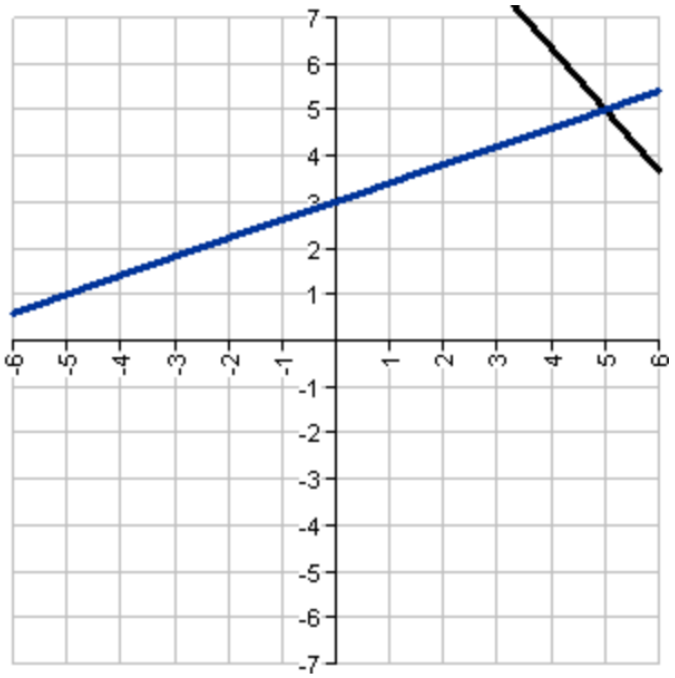
C. $x = -3, y = \frac{17}{6}$

D. $x = 10, y = 8$

The following system of equations is graphed below.

$$-4x - 3y = -35$$
$$-2x + 5y = 15$$

Find the solution to the system.



- **A.** $x = 6, y = 5$
- **B.** $x = 5, y = 6$
- **C.** $x = -4, y = 1$
- **D.** $x = 5, y = 5$

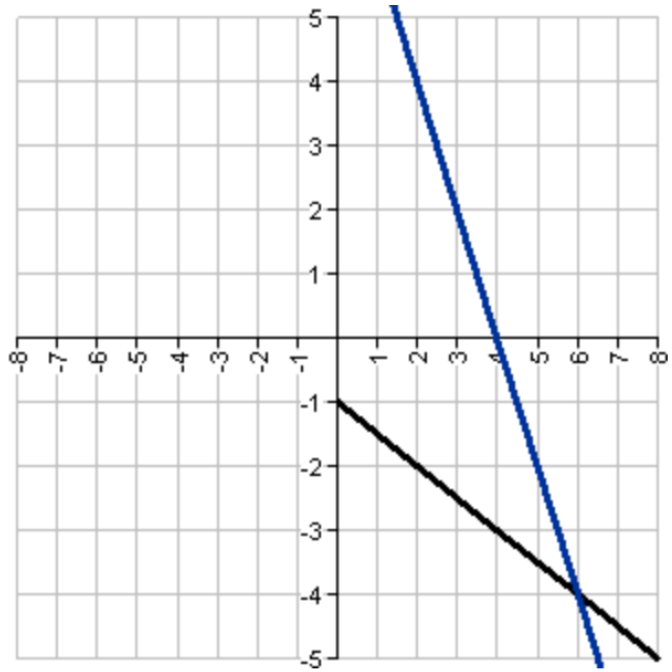
Use elimination to find the solution to the system of equations.

$$5x + 4y = -53$$
$$4x + 5y = -55$$

- **A.** $x = 2, y = -\frac{63}{4}$
- **B.** $x = -5, y = -7$
- **C.** $x = -\frac{69}{5}, y = 4$
- **D.** $x = -3, y = -\frac{43}{5}$

$$x + 2y = -2$$
$$2x + y = 8$$

The system of equations above is graphed below.



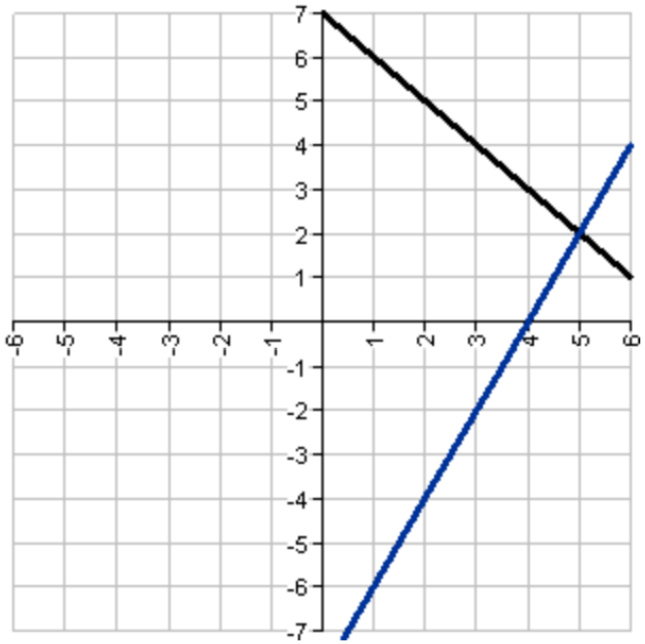
Find the solution to the system.

- **A.** $x = 6, y = -4$
- **B.** $x = 0, y = -1$
- **C.** $x = 2, y = -2$
- **D.** $x = -4, y = 1$

The following system of equations is graphed below.

$$-3x - 3y = -21$$
$$-4x + 2y = -16$$

Find the solution to the system.

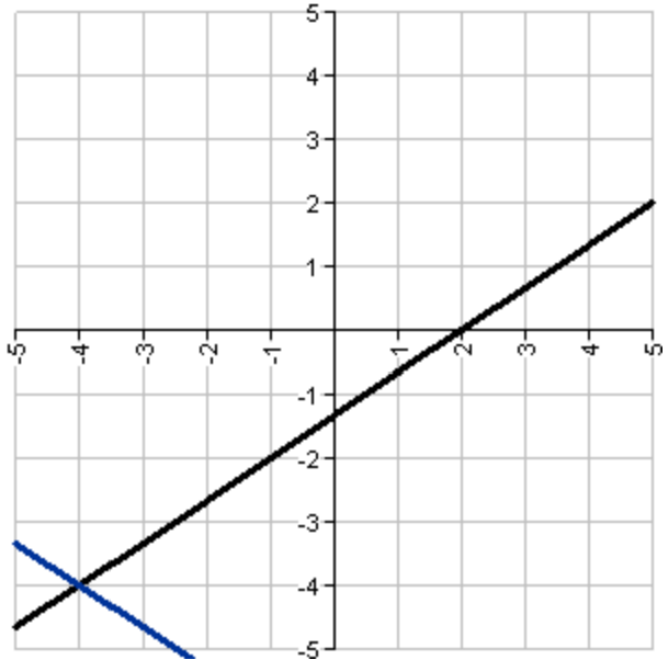


- **A.** $x = 6, y = 2$
- **B.** $x = 5, y = 3$
- **C.** $x = 5, y = 2$
- **D.** $x = 2, y = 5$

The following system of equations is graphed below.

$$2x - 3y = 4$$
$$2x + 3y = -20$$

Find the solution to the system.



- **A.** $x = 4, y = 4$
- **B.** $x = -4, y = -4$
- **C.** $x = 4, y = -4$
- **D.** $x = -4, y = 4$

Use elimination to find the solution to the system of equations.

$$6x + 4y = -38$$
$$2x + 9y = -51$$

- **A.** $x = 4, y = -\frac{31}{2}$
- **B.** $x = -1, y = -\frac{49}{9}$
- **C.** $x = -\frac{25}{3}, y = 3$
- **D.** $x = -3, y = -5$

Use elimination to find the solution to the system of equations.

$$5x + 4y = 22$$
$$4x + 9y = 35$$

A. $x = -3, y = \frac{47}{9}$

B. $x = \frac{14}{5}, y = 2$

C. $x = 2, y = 3$

D. $x = 1, y = \frac{17}{4}$

Use elimination to find the solution to the system of equations.

$$5x + 3y = 17$$
$$5x - 7y = -23$$

- **A.** $x = 7, y = -6$
- **B.** $x = -\frac{9}{5}, y = 2$
- **C.** $x = 3, y = \frac{2}{3}$
- **D.** $x = 1, y = 4$

Solve for x in the two equations below using substitution.

$$12x + 3y = 12$$

$$2x + 3y = 8$$

- **A.** $x = \frac{2}{5}$
- **B.** $x = \frac{10}{7}$
- **C.** $x = 2$
- **D.** $x = -\frac{2}{5}$

Use elimination to find the solution to the system of equations.

$$-x + 3y = 10$$
$$5x + 5y = -10$$

- **A.** $x = -4, y = 2$
- **B.** $x = 14, y = 8$
- **C.** $x = 0, y = \frac{10}{3}$
- **D.** $x = 0, y = -2$

Use elimination to find the solution to the system of equations.

$$2x + 4y = 44$$
$$4x - 7y = -47$$

A. $x = 5, y = \frac{17}{2}$

B. $x = -10, y = 1$

C. $x = 0, y = 11$

D. $x = 4, y = 9$