

Solve the system of equations by elimination.

1.
$$\begin{cases} 5x + 2y = -3 \\ 4x + 3y = -1 \end{cases}$$

[A] $\left(-\frac{11}{23}, -\frac{17}{23}\right)$

[B] $(-1, 1)$

[C] $\left(-\frac{17}{23}, -\frac{11}{23}\right)$

[D] $(1, -1)$

2.
$$\begin{cases} 2x + 5y = -5 \\ 3x + 5y = -2 \end{cases}$$

[A] $\left(-\frac{7}{5}, -\frac{19}{25}\right)$

[B] $\left(-\frac{19}{25}, -\frac{7}{5}\right)$

[C] $(3, -\frac{11}{5})$

[D] $\left(-\frac{11}{5}, 3\right)$

3.
$$\begin{cases} 6x + 3y = 4 \\ 5x + 2y = -5 \end{cases}$$

[A] $\left(-\frac{7}{27}, -\frac{10}{27}\right)$

[B] $\left(-\frac{23}{3}, \frac{50}{3}\right)$

[C] $\left(\frac{50}{3}, -\frac{23}{3}\right)$

[D] $\left(-\frac{10}{27}, -\frac{7}{27}\right)$

4.
$$\begin{cases} 4x - 2y = -5 \\ 2x + 5y = 4 \end{cases}$$

[A] $\left(-\frac{17}{24}, \frac{13}{12}\right)$

[B] $\left(-\frac{33}{16}, \frac{3}{8}\right)$

[C] $\left(\frac{13}{12}, -\frac{17}{24}\right)$

[D] $\left(\frac{3}{8}, -\frac{33}{16}\right)$

5.
$$\begin{cases} 5x - y = -3 \\ 2x + 2y = -1 \end{cases}$$

[A] $\left(-\frac{7}{12}, \frac{1}{12}\right)$

[B] $\left(-\frac{11}{8}, -\frac{5}{8}\right)$

[C] $\left(\frac{1}{12}, -\frac{7}{12}\right)$

[D] $\left(-\frac{5}{8}, -\frac{11}{8}\right)$

6.
$$\begin{cases} 6x - 4y = 2 \\ x - y = 3 \end{cases}$$

[A] $(-8, -5)$

[B] $\left(-2, \frac{7}{5}\right)$

[C] $(-5, -8)$

[D] $\left(\frac{7}{5}, -2\right)$

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7.
$$\begin{cases} 3x - 2y = 4 \\ 6x + 3y = 3 \end{cases}$$

[A] $\left(-\frac{5}{7}, \frac{6}{7}\right)$

[B] $\left(\frac{6}{7}, -\frac{5}{7}\right)$

[C] $(-11, -2)$

[D] $(-2, -11)$

8.
$$\begin{cases} 2x + 4y = -3 \\ 5x - 4y = -5 \end{cases}$$

[A] $\left(-\frac{8}{7}, -\frac{5}{28}\right)$

[B] $\left(-\frac{5}{28}, -\frac{8}{7}\right)$

[C] $\left(-\frac{2}{3}, -\frac{25}{12}\right)$

[D] $\left(-\frac{25}{12}, -\frac{2}{3}\right)$

9.
$$\begin{cases} 6x + 2y = 3 \\ 6x + 4y = -5 \end{cases}$$

[A] $\left(-4, \frac{11}{6}\right)$

[B] $\left(\frac{11}{6}, -4\right)$

[C] $\left(\frac{1}{18}, -\frac{1}{3}\right)$

[D] $\left(-\frac{1}{3}, \frac{1}{18}\right)$

10.
$$\begin{cases} 3x - y = -5 \\ 2x + y = -4 \end{cases}$$

[A] $(-22, -1)$

[B] $(-1, -22)$

[C] $\left(-\frac{9}{5}, -\frac{2}{5}\right)$

[D] $\left(-\frac{2}{5}, -\frac{9}{5}\right)$

11.
$$\begin{cases} 4x + 5y = 2 \\ x - 2y = 1 \end{cases}$$

[A] $\left(-2, -\frac{1}{3}\right)$

[B] $\left(-\frac{1}{3}, -2\right)$

[C] $\left(\frac{9}{13}, -\frac{2}{13}\right)$

[D] $\left(-\frac{2}{13}, \frac{9}{13}\right)$

12.
$$\begin{cases} 5x - 3y = 1 \\ 6x - 5y = -2 \end{cases}$$

[A] $\left(\frac{11}{7}, \frac{16}{7}\right)$

[B] $\left(\frac{16}{7}, \frac{11}{7}\right)$

[C] $\left(-\frac{1}{43}, \frac{4}{43}\right)$

[D] $\left(\frac{4}{43}, -\frac{1}{43}\right)$

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13.
$$\begin{cases} 2x + 2y = 4 \\ 2x - 5y = 5 \end{cases}$$
 [A] $\left(-\frac{1}{7}, \frac{15}{7}\right)$ [B] $\left(\frac{15}{7}, -\frac{1}{7}\right)$ [C] $(-3, \frac{5}{3})$ [D] $\left(\frac{5}{3}, -3\right)$

14.
$$\begin{cases} 6x + y = -3 \\ 3x - y = -2 \end{cases}$$
 [A] $\left(7, -\frac{1}{3}\right)$ [B] $\left(-\frac{5}{9}, \frac{1}{3}\right)$ [C] $\left(\frac{1}{3}, -\frac{5}{9}\right)$ [D] $\left(-\frac{1}{3}, 7\right)$

15.
$$\begin{cases} 3x + 5y = -1 \\ 4x + 3y = -4 \end{cases}$$

 [A] $\left(\frac{8}{11}, -\frac{17}{11}\right)$ [B] $\left(-\frac{17}{11}, \frac{8}{11}\right)$ [C] $\left(-\frac{23}{29}, -\frac{16}{29}\right)$ [D] $\left(-\frac{16}{29}, -\frac{23}{29}\right)$

16.
$$\begin{cases} 4x - 3y = 5 \\ x - 4y = -3 \end{cases}$$

 [A] $\left(\frac{17}{13}, \frac{29}{13}\right)$ [B] $\left(\frac{29}{13}, \frac{17}{13}\right)$ [C] $\left(\frac{11}{19}, \frac{7}{19}\right)$ [D] $\left(\frac{7}{19}, \frac{11}{19}\right)$

17.
$$\begin{cases} x - 2y = -3 \\ 3x + 5y = -5 \end{cases}$$

 [A] $(4, 5)$ [B] $\left(-\frac{25}{11}, \frac{4}{11}\right)$ [C] $\left(\frac{4}{11}, -\frac{25}{11}\right)$ [D] $(5, 14)$

18.
$$\begin{cases} 2x + y = -1 \\ 5x - 3y = -1 \end{cases}$$

 [A] $\left(-\frac{4}{11}, -\frac{3}{11}\right)$ [B] $(-2, 7)$ [C] $\left(-\frac{3}{11}, -\frac{4}{11}\right)$ [D] $(7, -2)$

19.
$$\begin{cases} 6x + 5y = 5 \\ 4x + 4y = -3 \end{cases}$$

 [A] $\left(\frac{5}{44}, \frac{1}{22}\right)$ [B] $\left(-\frac{19}{2}, \frac{35}{4}\right)$ [C] $\left(\frac{35}{4}, -\frac{19}{2}\right)$ [D] $\left(\frac{1}{22}, \frac{5}{44}\right)$

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20.
$$\begin{cases} 3x + 3y = 4 \\ 6x + 2y = -2 \end{cases}$$

[A] $\left\{ \begin{array}{l} 3 \\ 4 \end{array} \right\}, \left\{ \begin{array}{l} 1 \\ 12 \end{array} \right\}$

[B] $\left\{ \begin{array}{l} 5 \\ 2 \end{array} \right\}, \left\{ \begin{array}{l} -7 \\ 6 \end{array} \right\}$

[C] $\left\{ \begin{array}{l} 1 \\ 12 \end{array} \right\}, \left\{ \begin{array}{l} 3 \\ 4 \end{array} \right\}$

[D] $\left\{ \begin{array}{l} -7 \\ 6 \end{array} \right\}, \left\{ \begin{array}{l} 5 \\ 2 \end{array} \right\}$

21.
$$\begin{cases} 5x - 2y = 3 \\ 3x + 4y = 2 \end{cases}$$

[A] $\left\{ \begin{array}{l} 8 \\ 13 \end{array} \right\}, \left\{ \begin{array}{l} 1 \\ 26 \end{array} \right\}$

[B] $\left\{ \begin{array}{l} 1 \\ 26 \end{array} \right\}, \left\{ \begin{array}{l} 8 \\ 13 \end{array} \right\}$

[C] $\left\{ \begin{array}{l} 19 \\ 14 \end{array} \right\}, \left\{ \begin{array}{l} 4 \\ 7 \end{array} \right\}$

[D] $\left\{ \begin{array}{l} 4 \\ 7 \end{array} \right\}, \left\{ \begin{array}{l} 19 \\ 14 \end{array} \right\}$

22.
$$\begin{cases} 6x + 3y = 2 \\ 5x + 2y = -3 \end{cases}$$

[A] $\left\{ \begin{array}{l} 28 \\ 3 \end{array} \right\}, \left\{ \begin{array}{l} -13 \\ 3 \end{array} \right\}$

[B] $\left\{ \begin{array}{l} 13 \\ 3 \end{array} \right\}, \left\{ \begin{array}{l} 28 \\ 3 \end{array} \right\}$

[C] $\left\{ \begin{array}{l} 8 \\ 27 \end{array} \right\}, \left\{ \begin{array}{l} -5 \\ 27 \end{array} \right\}$

[D] $\left\{ \begin{array}{l} 5 \\ 27 \end{array} \right\}, \left\{ \begin{array}{l} -8 \\ 27 \end{array} \right\}$

23.
$$\begin{cases} 3x + 4y = 4 \\ x - 3y = -4 \end{cases}$$

[A] $\left\{ \begin{array}{l} 28 \\ 5 \end{array} \right\}, \left\{ \begin{array}{l} 8 \\ 5 \end{array} \right\}$

[B] $\left\{ \begin{array}{l} 8 \\ 5 \end{array} \right\}, \left\{ \begin{array}{l} 28 \\ 5 \end{array} \right\}$

[C] $\left\{ \begin{array}{l} 4 \\ 13 \end{array} \right\}, \left\{ \begin{array}{l} 16 \\ 13 \end{array} \right\}$

[D] $\left\{ \begin{array}{l} 16 \\ 13 \end{array} \right\}, \left\{ \begin{array}{l} -4 \\ 13 \end{array} \right\}$

24.
$$\begin{cases} 4x - 2y = -3 \\ 4x + y = -2 \end{cases}$$

[A] $\left\{ \begin{array}{l} -7 \\ 12 \end{array} \right\}, \left\{ \begin{array}{l} 1 \\ 3 \end{array} \right\}$

[B] $\left\{ \begin{array}{l} -1 \\ 4 \end{array} \right\}, \left\{ \begin{array}{l} 5 \\ 4 \end{array} \right\}$

[C] $\left\{ \begin{array}{l} 1 \\ 3 \end{array} \right\}, \left\{ \begin{array}{l} -7 \\ 12 \end{array} \right\}$

[D] $\left\{ \begin{array}{l} 5 \\ 4 \end{array} \right\}, \left\{ \begin{array}{l} -1 \\ 4 \end{array} \right\}$

25.
$$\begin{cases} 5x - y = 4 \\ 3x - 5y = -5 \end{cases}$$

[A] $\left\{ \begin{array}{l} 25 \\ 22 \end{array} \right\}, \left\{ \begin{array}{l} 37 \\ 22 \end{array} \right\}$

[B] $\left\{ \begin{array}{l} 15 \\ 28 \end{array} \right\}, \left\{ \begin{array}{l} 13 \\ 28 \end{array} \right\}$

[C] $\left\{ \begin{array}{l} 37 \\ 22 \end{array} \right\}, \left\{ \begin{array}{l} 25 \\ 22 \end{array} \right\}$

[D] $\left\{ \begin{array}{l} 13 \\ 28 \end{array} \right\}, \left\{ \begin{array}{l} 15 \\ 28 \end{array} \right\}$

26.
$$\begin{cases} 7x - y = -2 \\ 5x + 4y = 41 \end{cases}$$

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$$\begin{array}{l} 27. \quad \begin{array}{l} 8x - 5y = 45 \\ 9x - y = 46 \end{array} \end{array}$$

$$\begin{array}{l} 28. \quad \begin{array}{l} 3x - 4y = 16 \\ 5x + 7y = 54 \end{array} \end{array}$$

$$\begin{array}{l} 29. \quad \begin{array}{l} 7x - 6y = -20 \\ 4x + 9y = 1 \end{array} \end{array}$$

$$\begin{array}{l} 30. \quad \begin{array}{l} 5x - 8y = 66 \\ 8x + 7y = -33 \end{array} \end{array}$$

$$\begin{array}{l} 31. \quad \begin{array}{l} 2x - 9y = -39 \\ 9x - 4y = 7 \end{array} \end{array}$$

$$\begin{array}{l} 32. \quad \begin{array}{l} 4x + 5y = 11 \\ 2x - 3y = -11 \end{array} \end{array}$$

$$\begin{array}{l} 33. \quad \begin{array}{l} 7x + 6y = 43 \\ 5x + 7y = 47 \end{array} \end{array}$$

$$\begin{array}{l} 34. \quad \begin{array}{l} 5x + 9y = 26 \\ 7x + y = 48 \end{array} \end{array}$$

$$\begin{array}{l} 35. \quad \begin{array}{l} 2x - 5y = 3 \\ 5x + 9y = 29 \end{array} \end{array}$$