

Systems - solving by elimination - extra practice

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Solve each system by elimination.

1)
$$\begin{aligned} -5x + 3y &= 27 \\ 2x - 3y &= 0 \end{aligned}$$

2)
$$\begin{aligned} -8x + 3y &= 11 \\ 8x - 5y &= -29 \end{aligned}$$

3)
$$\begin{aligned} 10x + 4y &= -14 \\ 4x - 4y &= 0 \end{aligned}$$

4)
$$\begin{aligned} -4x - 4y &= 16 \\ -x + 4y &= -26 \end{aligned}$$

5)
$$\begin{aligned} 3x + 4y &= 7 \\ -3x - y &= -4 \end{aligned}$$

6)
$$\begin{aligned} x - 7y &= -3 \\ -x + 9y &= 3 \end{aligned}$$

7)
$$\begin{aligned} 9x - 3y &= -30 \\ 5x + 3y &= 2 \end{aligned}$$

8)
$$\begin{aligned} x - 4y &= 26 \\ -x - 9y &= 26 \end{aligned}$$

9)
$$\begin{aligned} 15x + 6y &= 18 \\ -5x - 2y &= -6 \end{aligned}$$

10)
$$\begin{aligned} -20x + 2y &= 2 \\ 10x + 9y &= 9 \end{aligned}$$

$$\begin{aligned} 11) \quad & -5x + 8y = 7 \\ & 3x - 16y = 7 \end{aligned}$$

$$\begin{aligned} 12) \quad & 8x + 2y = 0 \\ & 2x - 3y = -14 \end{aligned}$$

$$\begin{aligned} 13) \quad & -2x + 4y = -10 \\ & -8x + 8y = -24 \end{aligned}$$

$$\begin{aligned} 14) \quad & -5x - 16y = -27 \\ & x + 8y = 15 \end{aligned}$$

$$\begin{aligned} 15) \quad & -4x + 3y = 23 \\ & -6x + 6y = 30 \end{aligned}$$

$$\begin{aligned} 16) \quad & 10x + 3y = -5 \\ & -20x - 7y = 15 \end{aligned}$$

$$\begin{aligned} 17) \quad & -10x - 8y = 18 \\ & 5x - y = -29 \end{aligned}$$

$$\begin{aligned} 18) \quad & 8x + 20y = -24 \\ & x + 10y = -18 \end{aligned}$$

$$\begin{aligned} 19) \quad & -5x - 3y = -11 \\ & -2x - 2y = 2 \end{aligned}$$

$$\begin{aligned} 20) \quad & 10x + 5y = 15 \\ & 3x - 3y = 9 \end{aligned}$$

$$\begin{aligned} 21) \quad & -8x - 9y = -27 \\ & 7x - 4y = -12 \end{aligned}$$

$$\begin{aligned} 22) \quad & 9x - 5y = -9 \\ & 6x - 3y = -6 \end{aligned}$$

Answers to Systems - solving by elimination - extra practice (ID: 1)

- | | | | |
|---------------------------------|---------------|----------------|----------------|
| 1) $(-9, -6)$ | 2) $(2, 9)$ | 3) $(-1, -1)$ | 4) $(2, -6)$ |
| 5) $(1, 1)$ | 6) $(-3, 0)$ | 7) $(-2, 4)$ | 8) $(10, -4)$ |
| 9) Infinite number of solutions | 10) $(0, 1)$ | 11) $(-3, -1)$ | |
| 12) $(-1, 4)$ | 13) $(1, -2)$ | 14) $(-1, 2)$ | 15) $(-8, -3)$ |
| 16) $(1, -5)$ | 17) $(-5, 4)$ | 18) $(2, -2)$ | 19) $(7, -8)$ |
| 20) $(2, -1)$ | 21) $(0, 3)$ | 22) $(-1, 0)$ | |