

SATPREP

Assignment : Simultaneous Equation

Solve each system by elimination.

$$\begin{aligned} 1) \quad & 5x - 9y = -5 \\ & -5x + 4y = -20 \end{aligned}$$

$$\begin{aligned} 2) \quad & -8x + 7y = 30 \\ & 8x + 6y = -4 \end{aligned}$$

$$\begin{aligned} 3) \quad & -6x + 7y = 4 \\ & -6x + 10y = 16 \end{aligned}$$

$$\begin{aligned} 4) \quad & -x + 7y = 23 \\ & -6x + 7y = -2 \end{aligned}$$

$$\begin{aligned} 5) \quad & -12x - 9y = 9 \\ & 4x + 2y = -2 \end{aligned}$$

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

$$\begin{aligned} 7) \quad & -5x - 4y = 17 \\ & -8x - 7y = 29 \end{aligned}$$

$$\begin{aligned} 8) \quad & -9x - 10y = 29 \\ & 7x + 3y = -13 \end{aligned}$$

Solve each system by substitution.

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

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

$$\begin{aligned} 11) \quad & y = 5x + 19 \\ & -6x + 3y = 12 \end{aligned}$$

$$\begin{aligned} 12) \quad & y = 2x - 3 \\ & 4x - 3y = 7 \end{aligned}$$

Answers to Assignment : Simultaneous Equation

1) (8, 5)

5) (0, -1)

9) (-2, -5)

2) (-2, 2)

6) (6, 7)

10) (-3, -7)

3) (4, 4)

7) (-1, -3)

11) (-5, -6)

4) (5, 4)

8) (-1, -2)

12) (1, -1)

