

Assignment 1

Solve each system by elimination.

$$\begin{aligned} 1) \quad & -3x + 8y = 7 \\ & -9x + 6y = -15 \end{aligned}$$

$$\begin{aligned} 2) \quad & -x + 6y = 18 \\ & -4x - 2y = -6 \end{aligned}$$

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

$$\begin{aligned} 4) \quad & x - 5y = -8 \\ & 5x - 2y = 6 \end{aligned}$$

$$\begin{aligned} 5) \quad & 5x - 16y = -16 \\ & 2x - 8y = -8 \end{aligned}$$

$$\begin{aligned} 6) \quad & -4x - 7y = 18 \\ & 3x + 4y = -6 \end{aligned}$$

$$\begin{aligned} 7) \quad & -7x + 5y = -23 \\ & 3x - 2y = 9 \end{aligned}$$

$$\begin{aligned} 8) \quad & -8x - 3y = 16 \\ & 6x + 4y = 2 \end{aligned}$$

$$\begin{aligned} 9) \quad 5x + 4y &= 7 \\ 7x + 5y &= 5 \end{aligned}$$

$$\begin{aligned} 10) \quad -2x + 3y &= 4 \\ -3x + 5y &= 7 \end{aligned}$$

$$\begin{aligned} 11) \quad 5x - 7y &= 14 \\ -6x + 8y &= -14 \end{aligned}$$

$$\begin{aligned} 12) \quad -3x - 5y &= 10 \\ -7x - 3y &= 6 \end{aligned}$$

$$\begin{aligned} 13) \quad -8x - 5y &= 13 \\ -6x - 8y &= -20 \end{aligned}$$

$$\begin{aligned} 14) \quad -7x - 7y &= -7 \\ 4x + 6y &= 12 \end{aligned}$$

$$\begin{aligned} 15) \quad -2x + 3y &= 16 \\ 3x - 4y &= -21 \end{aligned}$$

$$\begin{aligned} 16) \quad 8x + 5y &= -12 \\ -6x - 2y &= 2 \end{aligned}$$

$$\begin{aligned} 17) \quad -6x - 5y &= 8 \\ 4x + 4y &= -8 \end{aligned}$$

$$\begin{aligned} 18) \quad -3x - 6y &= -24 \\ 2x + 7y &= 22 \end{aligned}$$

Answers to Assignment 1

1) (3, 2)

5) (0, 1)

9) (-5, 8)

13) (-6, 7)

17) (2, -4)

2) (0, 3)

6) (6, -6)

10) (1, 2)

14) (-3, 4)

18) (4, 2)

3) (1, -1)

7) (-1, -6)

11) (-7, -7)

15) (1, 6)

4) (2, 2)

8) (-5, 8)

12) (0, -2)

16) (1, -4)