

## Practice assignment

**Solve each system by elimination.**

1) 
$$\begin{aligned} 2x - y &= -11 \\ -9x + y &= 18 \end{aligned}$$

2) 
$$\begin{aligned} x - 8y &= -16 \\ -x - 8y &= 0 \end{aligned}$$

3) 
$$\begin{aligned} 9x + 10y &= 12 \\ -9x + 4y &= 30 \end{aligned}$$

4) 
$$\begin{aligned} 5x - 5y &= -25 \\ -3x + 5y &= 27 \end{aligned}$$

5) 
$$\begin{aligned} 5x - 2y &= -15 \\ 5x + 3y &= -15 \end{aligned}$$

6) 
$$\begin{aligned} -x - 7y &= 0 \\ -x + y &= -8 \end{aligned}$$

7) 
$$\begin{aligned} -7x - 2y &= -9 \\ -7x - 7y &= 21 \end{aligned}$$

8) 
$$\begin{aligned} -8x + 2y &= 22 \\ -9x + 2y &= 24 \end{aligned}$$

9) 
$$\begin{aligned} -3x + y &= 20 \\ -6x + 8y &= 16 \end{aligned}$$

10) 
$$\begin{aligned} 6x + 12y &= -18 \\ -3x - 4y &= 5 \end{aligned}$$

11) 
$$\begin{aligned} 12x - 7y &= 30 \\ 3x - 3y &= 0 \end{aligned}$$

12) 
$$\begin{aligned} -9x - y &= -2 \\ 18x + 3y &= -3 \end{aligned}$$

13) 
$$\begin{aligned} -3x + 7y &= 1 \\ -2x + 5y &= 0 \end{aligned}$$

14) 
$$\begin{aligned} 5x + 9y &= -20 \\ -4x - 2y &= 16 \end{aligned}$$

15) 
$$\begin{aligned} -7x - 3y &= 2 \\ -8x - 7y &= 13 \end{aligned}$$

16) 
$$\begin{aligned} -4x + 8y &= -12 \\ 3x + 7y &= 22 \end{aligned}$$

17) 
$$\begin{aligned} 4x + 2y &= 16 \\ 3x + 7y &= 12 \end{aligned}$$

18) 
$$\begin{aligned} -5x + 3y &= -3 \\ 2x - 2y &= 2 \end{aligned}$$

19) 
$$\begin{aligned} 3x + 3y &= 0 \\ 4x + 2y &= 4 \end{aligned}$$

20) 
$$\begin{aligned} 9x + 5y &= -16 \\ 5x + 8y &= 12 \end{aligned}$$

## Answers to Practice assignment (ID: 1)

1)  $(-1, 9)$

5)  $(-3, 0)$

9)  $(-8, -4)$

13)  $(-5, -2)$

17)  $(4, 0)$

2)  $(-8, 1)$

6)  $(7, -1)$

10)  $(1, -2)$

14)  $(-4, 0)$

18)  $(0, -1)$

3)  $(-2, 3)$

7)  $(3, -6)$

11)  $(6, 6)$

15)  $(1, -3)$

19)  $(2, -2)$

4)  $(1, 6)$

8)  $(-2, 3)$

12)  $(1, -7)$

16)  $(5, 1)$

20)  $(-4, 4)$