

14-05-30-T7

**Solve each system by elimination.**

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

2) 
$$\begin{aligned} 5x + 6y &= 15 \\ -5x - 10y &= 5 \end{aligned}$$

3) 
$$\begin{aligned} 9x - 4y &= -3 \\ x + 4y &= 13 \end{aligned}$$

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

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

6) 
$$\begin{aligned} -3x - y &= -2 \\ -3x - 9y &= 6 \end{aligned}$$

7) 
$$\begin{aligned} -6x - 9y &= 0 \\ -6x - 2y &= 14 \end{aligned}$$

8) 
$$\begin{aligned} 2x - 10y &= 8 \\ 2x - 5y &= 3 \end{aligned}$$

9) 
$$\begin{aligned} -2x - 2y &= -6 \\ 6x + 4y &= 10 \end{aligned}$$

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

11) 
$$\begin{aligned} 3x + y &= -1 \\ 6x + 3y &= 3 \end{aligned}$$

12) 
$$\begin{aligned} 4x + 5y &= 1 \\ -8x + 3y &= 11 \end{aligned}$$

13) 
$$\begin{aligned} -2x - y &= -6 \\ -4x - 6y &= 12 \end{aligned}$$

14) 
$$\begin{aligned} 4x - 3y &= 14 \\ -8x - 6y &= -4 \end{aligned}$$

15) 
$$\begin{aligned} 12x + 4y &= -12 \\ -6x - 5y &= 6 \end{aligned}$$

16) 
$$\begin{aligned} 4x - 6y &= 6 \\ 3x - 12y &= -18 \end{aligned}$$

## Answers to 14-05-30-T7

- 1)  $(-3, 6)$
- 5)  $(-9, -3)$
- 9)  $(-1, 4)$
- 13)  $(6, -6)$

- 2)  $(9, -5)$
- 6)  $(1, -1)$
- 10)  $(-1, 3)$
- 14)  $(2, -2)$

- 3)  $(1, 3)$
- 7)  $(-3, 2)$
- 11)  $(-2, 5)$
- 15)  $(-1, 0)$

- 4)  $(3, -4)$
- 8)  $(-1, -1)$
- 12)  $(-1, 1)$
- 16)  $(6, 3)$