

## Unit 3.2 Practice Solving systems using elimination

Period \_\_\_\_\_

**Solve each system by elimination.**

1) 
$$\begin{aligned} -8x + 3y &= -4 \\ -5x - 3y &= -22 \end{aligned}$$

2) 
$$\begin{aligned} -8x - 4y &= 24 \\ 4x + 4y &= -28 \end{aligned}$$

3) 
$$\begin{aligned} -x - 3y &= 6 \\ -7x - 3y &= 24 \end{aligned}$$

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

5) 
$$\begin{aligned} 7x - y &= 17 \\ -14x - 4y &= -16 \end{aligned}$$

6) 
$$\begin{aligned} -10x + 2y &= -4 \\ x + 6y &= 19 \end{aligned}$$

7) 
$$\begin{aligned} -3x + 4y &= -21 \\ -5x + 3y &= -24 \end{aligned}$$

8) 
$$\begin{aligned} 21x + 7y &= 0 \\ 27x + 9y &= 0 \end{aligned}$$

$$\begin{aligned} 9) \quad -2x + 5y &= 10 \\ 0 &= 15 + 2y + 3x \end{aligned}$$

$$\begin{aligned} 10) \quad -10x + 4y + 2 &= 0 \\ 7y &= -23 - 2x \end{aligned}$$

$$\begin{aligned} 11) \quad 4y + 4 &= 4x \\ 9x &= 9y + 27 \end{aligned}$$

$$\begin{aligned} 12) \quad -5y &= 21 + 7x \\ 0 &= 6x + 4y + 20 \end{aligned}$$

$$\begin{aligned} 13) \quad 18x &= -6 + 15y \\ 6y - 5x &= 20 \end{aligned}$$

$$\begin{aligned} 14) \quad -48 + 24y &= 15x \\ 0 &= 7x - 5y + 10 \end{aligned}$$

$$\begin{aligned} 15) \quad -4x &= 5y + 27 \\ 0 &= -7x - 2y \end{aligned}$$

$$\begin{aligned} 16) \quad 0 &= -14 - 10y - 7x \\ 9x + 18 + 18y &= 0 \end{aligned}$$

$$\begin{aligned} 17) \quad 0 &= -3y - 28 + 4x \\ -7y &= 21 - 3x \end{aligned}$$

$$\begin{aligned} 18) \quad -2y &= 2 + 6x \\ 9y &= -9 - 10x \end{aligned}$$