

## Systems: Elimination 2

Date \_\_\_\_\_ Period \_\_\_\_\_

**Solve each system by elimination.**

1) 
$$\begin{aligned} -3x - 7y &= -8 \\ 2x + 4y &= 6 \end{aligned}$$

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

3) 
$$\begin{aligned} 7x - 10y &= -20 \\ -2x + 6y &= 12 \end{aligned}$$

4) 
$$\begin{aligned} -4x + 8y &= 12 \\ 10x - 7y &= -4 \end{aligned}$$

5) 
$$\begin{aligned} 10x + 10y &= 19 \\ 16x + 16y &= 16 \end{aligned}$$

6) 
$$\begin{aligned} 6x + 6y &= -24 \\ -5x - 4y &= 17 \end{aligned}$$

- 7) Jasmine and Julio are selling pies for a school fundraiser. Customers can buy apple pies and pumpkin pies. Jasmine sold 3 apple pies and 3 pumpkin pies for a total of \$87. Julio sold 13 apple pies and 6 pumpkin pies for a total of \$244. What is the cost each of one apple pie and one pumpkin pie?