



3. Raja is trying to decide which ice cream shop is the better buy. Cold & Creamy Sundaes charges \$2.50 per sundae plus an additional \$0.25 for each topping. Colder & Creamier Sundaes charges \$1.50 per sundae plus an additional \$0.50 for each topping. Determine the number of toppings for which both vendors charge the same amount. Explain which vendor is the better buy depending on the number of toppings Raja chooses. (Use substitution)

### More Elimination Practice

4.  $3x + 6y = 21$

5.  $x + 8y = 7$

$$7x - 4y = -1$$

$$-14x + 8y = 2$$

6.  $-x - y = -9$

$$9x + 9y = 9$$

7.  $10x - 6y = 30$

$$9x - 3y = 3$$

8.  $3x + 8y = 15$

$$-6x - 16y = -30$$

9.  $12x - 4y = -14$

$$6x - 2y = -12$$