Solve by elimination:

$$-7x + 5y = 7$$
  
 $14x + 10y = -14$ 

Solve by substitution:

$$4x + 6y = -10$$
  
 $x = 4 + 5y$ 

## Solve by elimination:

## Solve by substitution:

$$4x + 6y = -10$$

$$x = 4 + 5y$$

$$4(4 + 5y) + 6y = -10$$

$$16 + 20y + 6y = -10$$

$$20y + 6y = -10 - 16$$

$$26y = -26$$

$$y = -1$$

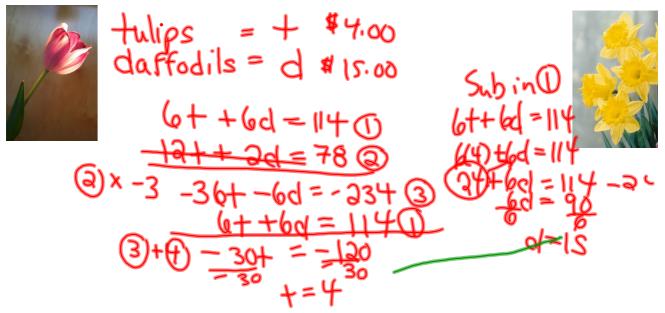
$$x = 4 + 5(-1)$$

$$x = 4 - 5$$

$$x = -1$$

$$(-1, -1)$$

Wilbur and Mary are selling flower bulbs for a school fundraiser. Customers can buy packages of tulip bulbs and bags of daffodil bulbs. Wilbur sold 6 packages of tulip bulbs and 6 bags of daffodil bulbs for a total of \$114. Mary sold 12 packages of tulip bulbs and 2 bags of daffodil bulbs for a total of \$78. Find the cost of a package of tulip bulbs and a bag of daffodil bulbs.



Roberto has 16 coins in his pocket consisting of loonies and toonies. How many of each does he have if the total amount of money he has is \$27.

Total = 16
Value = 
$$\frac{1}{47}$$
Value =  $\frac{1}{47}$ 
V

Roberto has 16 coins in his pocket consisting of loonies and toonies. How many of each does he have if the total amount of money he has is \$27.

$$\begin{array}{c} L + T = 16 & \textcircled{1} \\ -1L + 2T = 27 & \textcircled{2} \\ \textcircled{1} - \textcircled{2} & -1T = -11 \\ & T = 11 & \textcircled{3} \\ \\ \text{Sub } \textcircled{3}_{\text{in}} \textcircled{1} & L + 11 = 16 \\ & L = 5 \end{array}$$

Roberto has 5 loonies and 11 toonies.

George has a beautiful farm where he raises Emus and Buffalo On his farm there are 64 legs and 20 heads. How many of each does he have?



EXAM QUESTION

