

Hungry for Systems of Equations

Score _____ Per _____

1. Andy bought 4 pens and 3 pencils for \$3.75. Tom bought 4 pens and 6 pencils for \$4.50. Find out how much a pen and a pencil cost.

Cost of pen: _____ Cost of pencil: _____

2. Ann bought 5 pears and 3 apples for \$1.75. Chris bought 10 pears and 7 apples for \$3.80. Find out how much a pear and an apple cost.

Cost of pear: _____ Cost of apple: _____

Solve the following equations using the method of **ELIMINATION**:

<p>3. $7x - 4y = -9$ $-7x + 7y = -21$</p> <p>Answer: (,)</p>	<p>4. $2x - 2y = 20$ $-6x + 2y = -20$</p> <p>Answer: (,)</p>
<p>5. $-3x - 7y = -20$ $-3x - 8y = -22$</p> <p>Answer: (,)</p>	<p>6. $-4x - y = 1$ $-5x - 5y = -10$</p> <p>Answer: (,)</p>

Solve the following equations using the method of **SUBSTITUTION**:

7. $y = 6x - 2$
 $y = 9x + 10$

Answer: (,)

8. $-4x - 8y = -8$
 $y = 7x + 16$

Answer: (,)