**Algebra 1 ECA Remediation**          **Name** _____

**Quiz 14.2**

*Consider this situation for questions #1 & #2.*

A teacher has $30 to buy apples and bananas for her 5$^{th}$ grade class.  The apples cost $2.50 per pound and the bananas cost $3.00 per pound.

1.      Which of the following equations can be used to represent the number of pounds of apples ($a$) and the number of pounds of bananas ($b$) that the teacher can buy for $40?

   a)      $2.50b - 3.00a = 30.00$
   b)      $2.50a - 3.00b = 30.00$
   c)      $2.50b + 3.00a = 30.00$
   d)      $2.50a + 3.00b = 30.00$

2.      If the teacher buys 6 pounds of apples, how many pounds of bananas can she buy?

   a)      2 pounds
   b)      3 pounds
   c)      4 pounds
   d)      5 pounds

*Consider this situation for questions #3 & #4.*

For a camping trip, the cost to rent a canoe is $15 plus $2.50 per hour.

3.      Which of the following equations can be used to represent the total cost ($c$) of renting a canoe for ($h$) hours?

   a)      $c = 2.50h + 15$
   b)      $c = 15h + 2.50$
   c)      $c + 2.50h = 15$
   d)      $c + 15h = 2.50$

4.      How much would it cost to rent a canoe for 6 hours?

   a)      $12.50
   b)      $17.50
   c)      $30.00
   d)      $92.50