Name:_____   Foundations Weekly #26

Must show all work for full credit   <u>**There are 2 problems on the back!**</u>

1)   Solve for *m*: $c = 2m + d$ **(Notes #21-22)**

2)   Chase and Sara went to the candy store. Chase bought 10 pieces of fudge and 6 pieces of bubble gum for a total of $11.40. Sara bought 2 pieces of fudge and 10 pieces of bubble gum for a total of $3.60. Determine the cost of 1 piece of fudge and 1 piece of bubble gum?

(Notes #48-48.5)

3) Find the zeroes: $2x^2 + 6x - 8 = y$ **(Notes 87-89)**

4) What is **the explicit formula** for the nth term of sequence shown below?   **(Notes #53-53.5)**

$$10, 12, 14, 16, ...$$

Use the formula to find the 70th term.

5) Which equation illustrates the commutative property of addition?   **(Notes #1)**

1) $3 \times 5 = 5 \times 3$
2) $3 + 5 = 5 + 3$
3) $3 + (5 + 7) = (3 + 5) + 7$
4) $3 + 0 = 3$