MATH 4: ASSIGNMENT 7
NOVEMBER 3, 2019
HOMEWORK

1. Simplify the expressions: Collect Xs and numbers; [*do not make mistakes when coping the algebraic expression to your paper.]*

$$x + 9 + 3x + x + 2x + 7 - 6x - 16 =$$
$$17x + 19 + 2x - x - 2x + 7 - 6x - 16 =$$

2. Open parenthesis:
   a. $2(2x - 1) =$
   b. $(x + 7) \cdot 3 =$
   c. $5(3x + 5) =$

3. Compute and give the answer in the simplest form:

   a) $\frac{1}{12} + \frac{3}{4} =$ d) $\frac{1}{5} + \frac{1}{8} =$

   b) $\frac{2}{3} + \frac{3}{4} =$ e) $\frac{2}{9} + \frac{1}{6} =$

4. There are some marbles in the box. 1/6 of the marbles are yellow, 1/4 of the marbles are blue and the rest are red. What fraction of the marbles in the box are red?

5. You have 5 apples which need to be evenly divided among 6 people. Can you do it without cutting each apple into 6 pieces?

6. Daughter is 1 years old, and her mother is 25years old. How many years later will the mother be two times older than her daughter?

7. For every $3 Marisa spends, Andie spends $5. Andie spends $120 more than Marisa does. How much does Andie spend? *(Hint: this problem can be solved without an equation)*

8. Jack divided 1932 apples between 17 people and had 11apples left, Jill divided 261 apples between 17 people and had 6 left. If you don't have a paper and a pencil to help Jack and Jill with calculations, can you tell them if they can divide apples between 17 people evenly after combining them?

9. Negative number operations practice. Write on this page. Staple it together with the home work you are handing in.

$7 - 9 \quad =$

$-11 - (-6) \quad =$

$11 + (-7) \quad =$

$-2 - (-7) \quad =$

$-10 - 5 \quad =$

$-2 - 9 \quad =$

$15 - (-5) \quad =$

$-1 - (-11) \quad =$

$1 + (-7) \quad =$