Math 4 Homework #7

Solve in this handout:

1. Simplify the expressions and write you results right here:

$x + 9 + 3x + 7 + x - 15 - 6x + 2x =$ _____

$17x + 19 + 2x - x + 7 - 2x - 8 - 6x =$ _____

2. Remove parentheses:

a). $2(2x - 1) =$ _____ b). $(x + 7) \cdot 3 =$_____

Combine the results of a). and b). to remove all parentheses in c). ***Simplify*** *the result afterward like in the exercise #1*

c).* $2(2x - 1) + (x + 7) \cdot 3 =$ _____

3. Find an equivalent fraction:

$\frac{1}{3} = \frac{\quad}{27}$ $\frac{1}{4} = \frac{\quad}{16}$ $\frac{3}{4} = \frac{\quad}{16}$ $\frac{1}{5} = \frac{\quad}{15}$

4. Find …

$\frac{1}{5}$ *of* 60 is $\frac{1}{12}$ *of* 60 is $\frac{1}{15}$ *of* 60 is

5. Calculate:

$12 + (-3) =$ $12 - (-3) =$ $-12 - (-3) =$ $-12 + (-3) =$

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

Solve in your notebook:

6. Solve the equations:

$\frac{1}{4}x = 5$ $\frac{1}{5}y = 3$ $\frac{1}{7}w = 4$ $3y = 1$

7. There are 24 marbles in the box. ¼ of these marbles are yellow, 5 marbles are red and the rest of them are blue. How many blue marbles are there in the box?