L 3 ALL CLASSES

MATHEMATHICS HOME ACTIVITY

WRITE AND WORKOUT USING YOUR BACKSIDE OF YOUR NOTEBOOK

Q1.

Determine whether each number is a solution to the equation. $3x + 5 = 23$.

a. 6

b. $\dfrac{23}{5}$

Q2. Solve in set of real numbers:

1. $-8x - 15 + 9x - 1 = -21$
2. $9m - 2 - 4m + m = 42 - 8$
3. $8(3a + 5) - 7(4a - 3) = 20 - 3a$
4. $\dfrac{1}{4}p + \dfrac{1}{3} = \dfrac{1}{2}$
5. Translate and solve: The difference of twice x and 4 is 16.
6. Samuel paid $25.82 for gas this week, which was $3.47 less than he paid last week. How much did he pay last week?
7. $5 + 7(2 - 5x) = 2(9x + 1) - (13x - 57)$

Q3. Solve in set of real numbers the following inequalities

1. John has 1,260,000 Francs in an account with his bank. If he deposits 30,000 Francs each week into the account, how many weeks will he need to have more than 1,820,000 Francs on his account?
2. Sam and Alex play in the same soccer team. Last Saturday Alex scored 3 more goals than Sam, but together they scored less than 9 goals. What are the possible number of goals Alex scored?

3. Aaron is 5 years younger than Ron. Four years later, Ron will be twice as old as Aaron. Find their present ages.