10.3-10.4 Assignment:

1. Solve each equation. **Verify** your answer. *(4 marks each)*

a) $-3 = \dfrac{n}{7} - 7$

b) $2 + \dfrac{a}{-8} = 4$

c) $-4 + \dfrac{x}{11} = -1$

d) $5 = \dfrac{e}{-6} + 10$

2. Verify whether **x = −12** is the solution to each equation. (*2 marks each*)

a) $\dfrac{x}{-3} + 6 = 2$

b) $8 + \dfrac{x}{12} = 7$

3. Half of Xien's age added to 2 equals the age of her sister, Airah, who is 11. How old is Xien? (*4 marks*)

4. In 2006 the number of registered soccer players in Saskatchewan was 1120 fewer than $\dfrac{1}{5}$ the number of soccer players in B.C. Saskatchewan had 23761. Determine how many players B.C. had. (*4 marks*)

5. Verify whether ***d= -9*** is the solution to the equation. (*2 marks*)
  $4(d - 3) = -8$

6. Solve each equation. **Verify** your answers. (*4 marks each*)

    a) $42 = 7(y + 4)$ **b)** $-4(c - 10) = 40$

7. If you take the number of points the Panthers football team scored in their first game, add the 21 points they scored in their second game, and double the total, you will get 62 total points. How many points did they score in their first game? (*4 marks*)

8. During a school fundraiser, Room 19 raised triple the amount of money that Rooms 16 and 17 raised together. Room 19 brought in $1095. Room 16 brought in $165. What was the total amount of money raised by Room 17? (*4 marks*)