B2 Worksheet #3 (section 10.3)   Ms.Stromgren
Math 8

1. Solve and check:

a) $\dfrac{r}{-2} + 5 = 1$

b) $7 = \dfrac{q}{3} - 2$

c) $\dfrac{v}{4} - 6 = 4$

d) $-1 = 4 + \dfrac{z}{5}$

2. Solve and check:

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

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

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

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

3. Show whether $x = -12$ is the solution to each equation.

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

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

c) $0 = \frac{x}{4} - 3$

d) $-10 = \frac{x}{-6} - 12$

4. Half of Becky's age added to 2 equals the age of her sister, Anna, who is 11. How old is Becky?

5. Alex is working on the equation $4x - 5 = 7$. The first thing he does is divide the whole equation by 4. He writes $\frac{4x}{4} - \frac{5}{4} = \frac{7}{4}$. He thinks he may have done something wrong. Has he? Justify your answer.