Homework 2 June 15, 2016

1. Solve the following equations:

   a. $-9 = 2 + y$

   b. $r + \dfrac{3}{4} = \dfrac{1}{4}$
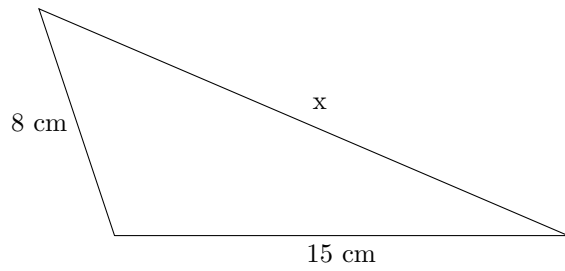
   c. $t - 5 = -20$

2. Solve the following equations:

   a. $3x = 18$

   b. $\dfrac{b}{-7} = -4$

   c. $\dfrac{3}{8}t = 6$

3. Consider the figure below. If the perimeter is 43 centimeters, find the value of x.

4. For the following, match the real-life problem with the appropriate equation.

A. x+15=7

You own 15 CDs. You buy 7 more. How many CDs do you own now?

B. 15-x=7

There are 15 members of a high school band brass section. After graduation there are only 7 members. How many members graduated?

C. 15+7=x

The temperature rose 15 degrees to 7°F. What was the original temperature?

D. x+15=-7