**UNIT REVIEW II**

1. Solve each of the following equations.

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| a) -4n = -16 | b) x - 9 = 17 | c) $\frac{b}{3}=-2$ |
| c) -2x + 4 = 14 | d) 5x + 3x - 16 - 2x + 20 = 4x + x - 30 |
| e) 3(x - 1) - 2(x + 1) = 5x | f) (x - 2) - (x + 1) = -5(2x - 1) |
| g) $\frac{3n}{5}-\frac{2n}{3}=2$ | h)  |

2) You can convert from Fahrenheit to Celsius degrees by using the formula: *F = 2(°C+15)*.

a) Solve for C

b) What is 81°*F* converted to °*C* ?

3) Determine the length of each side of a triangle if the sides are: x, x + 7, and 2x – 5 and the perimeter is 18cm.
*[Write an equation and show your work.]* Consider drawing a diagram.

4) Gimli solved two equations. In each he made an error. Identify his error and explain what he did wrong.

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| a.  |  | b.  |  |