**UNIT REVIEW**

1. Solve each of the following equations.

|  |  |  |
| --- | --- | --- |
| 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)  | 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 your ‘let statements’, an equation, and show your work.]*
Consider drawing a diagram.

4) Julie solved two equations. In each she made an error. Identify her error and explain what she did wrong.

|  |  |  |  |
| --- | --- | --- | --- |
| a.  |  | b.  |  |