

**Section 1.2 (Solving Multi-Step Equations)**  
**Part II: Combining Like Terms and Using the Distributive Property**

1)  $4x - 3 + 2x = -9$

2)  $4 - 3x + 2 = -9$

3)  $4x + 3 - 2x + 1 = -9$

4)  $1.1x - 5.4 + 1.2x = -10$

5)  $\frac{2}{3}n + 11 - \frac{1}{3}n = 8$

6)  $1.5n + 12 - \frac{1}{2}n - 5 = 7.8$

7) A 22-foot house has a 4-foot attic. If the house has two stories that have the same height, how tall is each story of the house?

a) Equation: \_\_\_\_\_ = 22      b) Solution: Each story is \_\_\_\_\_ feet tall.

8) The narrowest angle of a triangle is  $30^\circ$ . The larger of the other two angles is twice the size of the other one. What are the measurements of all three angles?

a) Equation: \_\_\_\_\_ = 180      b) Solution:  $30^\circ$ , \_\_\_\_\_, \_\_\_\_\_

9)  $4(3 - 2n) = 20$

10)  $\frac{1}{2}(n + 8) = 4$

11)  $-2(n - 3) = 16$

12)  $10 - 4(3 - 2n) = 12$

13)  $10 + 4(3 - 2n) = 12$

14)  $2(2 - x) + 12x = 44$