**Solve for x then find the measure of each angle. Classify each triangle by its SIDES.**

1. m∠A = 2x° = \_\_\_\_\_\_\_

m∠B = 2x° = \_\_\_\_\_\_\_

m∠C = 80° =\_\_\_\_\_\_\_\_

x = \_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ triangle

2. m∠A = (4x - 20)° = \_\_\_\_\_\_\_

m∠B = (x + 40)° = \_\_\_\_\_\_\_

m∠C = (2x + 20)° =\_\_\_\_\_\_\_\_

x = \_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ triangle

3. m∠A = (5x+10)° = \_\_\_\_\_\_\_

m∠B = (10x+40)° = \_\_\_\_\_\_\_

m∠C = (6x+4)° =\_\_\_\_\_\_\_\_

x = \_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ triangle

**Solve for x:**

4. 5. 6.

5x+20°

x°

30°

x°

3x+40°

°

2x+15°

**x = \_\_\_\_\_\_\_ x = \_\_\_\_\_\_\_ x = \_\_\_\_\_\_\_\_**

**Solve for x, y and z:**

y°

x°

52°

z°

7. 8. 9.

y°

y°

60°

120°

x°

z°

x°

z°

**x = \_\_\_\_\_\_ y= \_\_\_\_\_\_ z= \_\_\_\_\_\_ x = \_\_\_\_\_\_ y= \_\_\_\_\_\_ z= \_\_\_\_\_\_ x = \_\_\_\_\_\_ y= \_\_\_\_\_\_ z= \_\_\_\_\_\_**

2x+15

x°

10. 11. 12.

4y+20°

3x+15°

25

4y-7

y°

5z+45°

120°

z°

**x = \_\_\_\_\_\_ y= \_\_\_\_\_\_ z= \_\_\_\_\_\_ x = \_\_\_\_\_\_ y= \_\_\_\_\_\_ z= \_\_\_\_\_\_ x = \_\_\_\_\_\_ y= \_\_\_\_\_\_ z= \_\_\_\_\_\_**