Name:

Date:

School:

Facilitator:

6.01 Triangles and Angles

# Total Points: 40

**Classify each triangle by its sides and angles.
 Sides:** scalene, isosceles, equilateral

**Angles:** acute, obtuse, right, equiangular

****

**1.** Sides       Angles

****

**2.** Sides       Angles

****

**3.** Sides       Angles

****

**4.** Sides       Angles

****

**5.** Sides       Angles

**Find *x* and classify each triangle by its angles. Provide the theorem (sum of interior angles or exterior angle theorem) you used to solve the problem.**

****

**6.** x =

Show your work below:

Classification by angles       Theorem

****

**7.** x =

Show your work below:

Classification by angles       Theorem

****

**8.** x =

Show your work below:

Classification by angles       Theorem

****

**9.** x =

Show your work below:

Classification by angles       Theorem

****

**10.** x =

Show your work below:

Classification by angles       Theorem