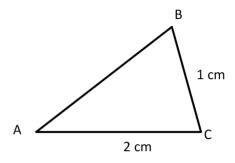
Name			Date			
1.	Draw triangles that fit the following classifications. I angles.		Use	a ruler and	d protractor.	Label the side lengths and
	a.	Right and isosceles	b.	Right and	l scalene	
	c.	Obtuse and isosceles	d.	Acute and	d scalene	
2.		aw all possible lines of symmetry in the triangles es of symmetry.	abo	ve. Explaiı	n why some o	of the triangles do not have

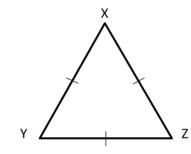
Are the following statements true or false? Explain.

3. $\triangle ABC$ is an isosceles triangle. \overline{AB} must be 2 cm. True or False?



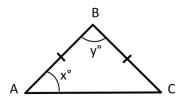
4. A triangle cannot have both an acute angle and a right angle. True or False?

5. $\triangle XYZ$ can be described as both equilateral and acute. True or False?



6. A right triangle is always scalene. True or False?

Extension: In $\triangle ABC$, $x^{\circ} = y^{\circ}$. True or False?



Answer Key

- 1. Triangles drawn accurately; side lengths and angles labeled
- 2. Lines of symmetry accurately drawn in 1(a) and 1(c); explanations will vary.
- True; explanations will vary. 3.
- False; explanations will vary. 4.
- True; explanations will vary. 5.
- False; explanations will vary. 6.

Extension: False; explanations will vary.