



Sorting Triangles

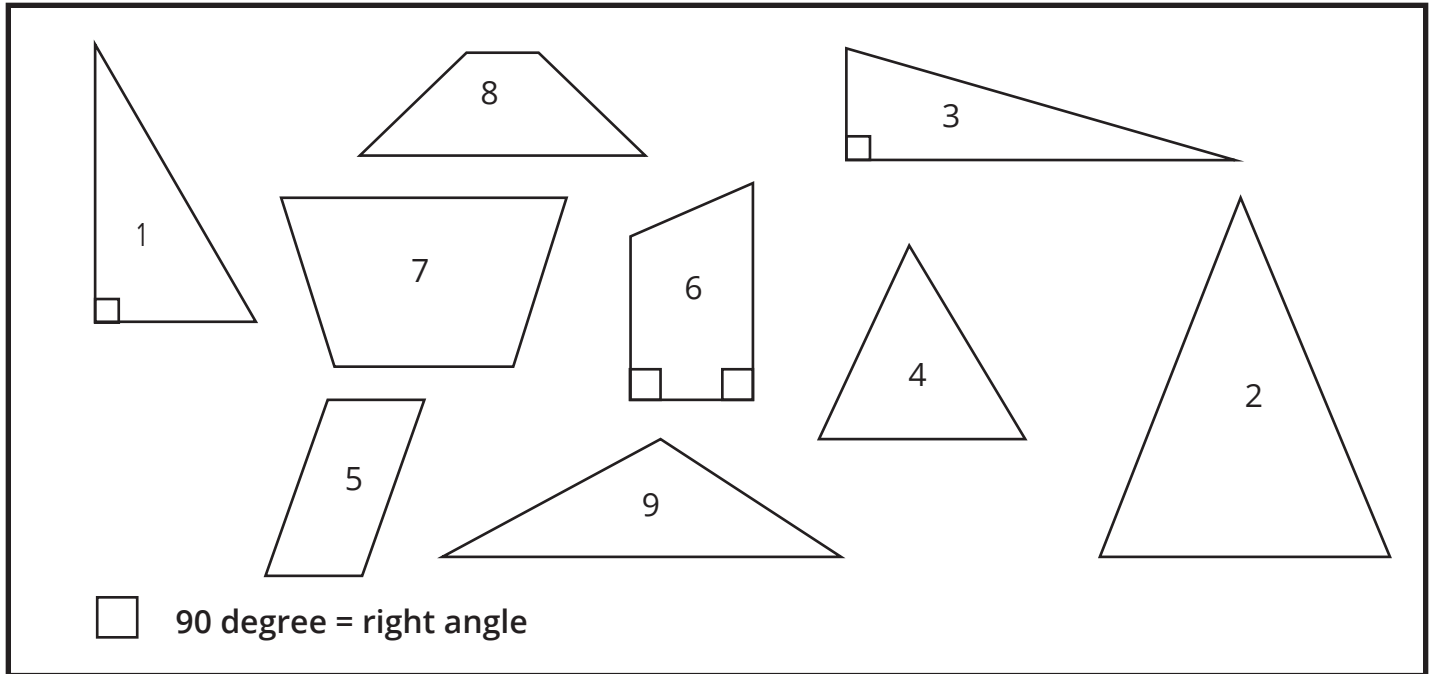
Answers

Name: _____

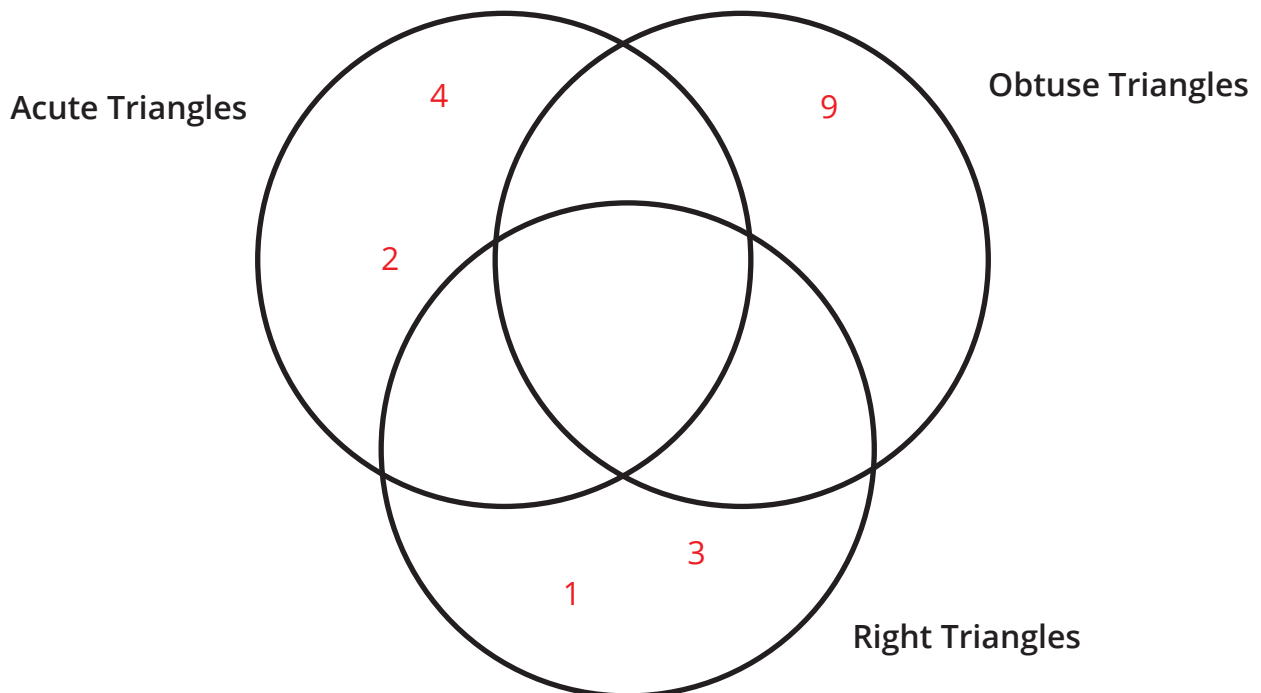
Date: _____

Vocabulary Terms:

- **Acute Triangle** - An acute triangle has three sides and three acute angles (< 90 degrees)
- **Right Triangle** - A right triangle has three sides and one right angle ($= 90$ degrees).
- **Obtuse Triangle** - An obtuse triangle has three sides and one obtuse angle (> 90 degrees).



Directions: Categorize all triangles above by listing its number in the proper area of the Venn diagram below.





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Answers

Name: _____

Date: _____

Thinking Deeper:

a) How does measurement apply or NOT apply when classifying triangles?

ANSWERS MAY VARY, but may contain the fact that any of these triangle types, disqualify themselves for the other two categories by their definitions (i.e. Acute triangles can't be right nor obtuse because by definition they have all 3 acute angles.)

b) Some shapes in the selection box don't qualify for the diagram above; explain why.

Answers may vary but may contain the fact that shapes 6, 7, and 8 have 4 sides, so they are not triangles.