Name _____   Date _____
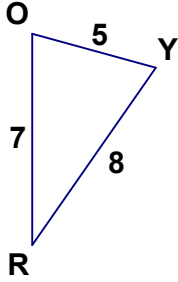Mr. Schlansky   Geometry

Corresponding Sides and Angles

1. What is the largest angle of ΔROY? What is the smallest angle of ΔROY?

O
5
Y
7
8
R

2. In triangle SPY, $m\angle S = 35°$ and $m\angle Y = 70°$. What is the largest side of the triangle? What is the shortest side of the triangle?

3. In ΔABC, $m\angle A = 45°$ and $m\angle B = 60°$. What is the largest side of ΔABC? What is the smallest side of ΔABC?

4. In ΔCAT, $m\angle C = 65$, and $m\angle A = 40$. Which side is the shortest? Which side is the longest?

5. In triangle TYL, $m\angle T = 71°$ and $m\angle Y = 42°$. What is the smallest side of the triangle? What is the largest side of the triangle?

6. In triangle LYS, $m\angle L = 48°$ and $m\angle Y = 101°$. What is the smallest side of the triangle? What is the largest side of the triangle?

7. In $\triangle ABC$, $m\angle A = 60$, $m\angle B = 80$, and $m\angle C = 40$. Which inequality is true?
1) $AB > BC$
2) $AC > BC$
3) $AC < BA$
4) $BC < BA$

8. In the diagram of quadrilateral $NAVY$ below, $m\angle YNA = 30°$, $m\angle YAN = 38°$, $m\angle AVY = 94°$, and $m\angle VAY = 46°$.
Which segment has the shortest length?
1) $\overline{AY}$ 3) $\overline{VA}$
2) $\overline{NY}$ 4) $\overline{VY}$