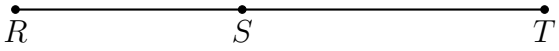
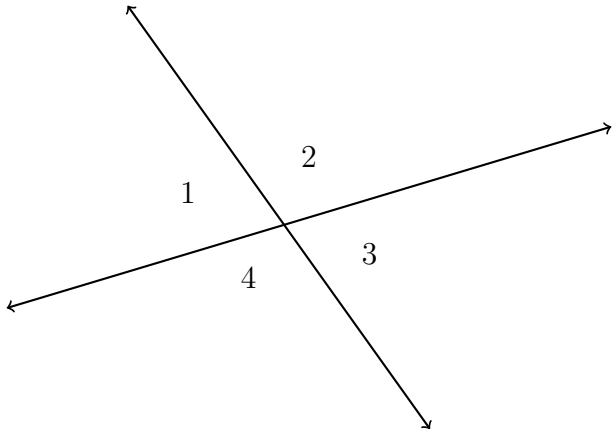
BECA / Dr. Huson / Geometry Name:
1-8 Angle measures

I can identify vertical angles

1. Do Now: Given $\overline{RST}$, $RS = 3\frac{2}{3}$, and $RT = 9\frac{1}{3}$. Find ST.



2. As shown below, two lines intersect making four angles: $\angle 1$, $\angle 2$, $\angle 3$, and $\angle 4$.

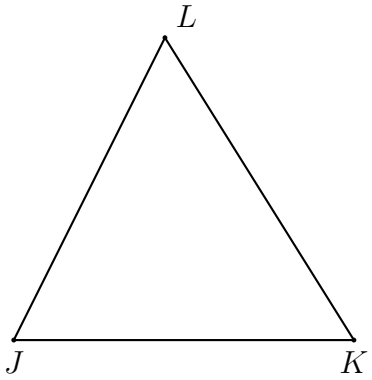


   (a) Which angle is opposite $\angle 1$? _____

   (b) Name an angle that is adjacent to $\angle 4$. _____

   (c) True or false, $\angle 2$ and $\angle 4$ are vertical angles. _____

3. Given $\triangle JKL$ with $\overline{JK} \cong \overline{JL}$. On the diagram mark the congruent line segments with tick marks.

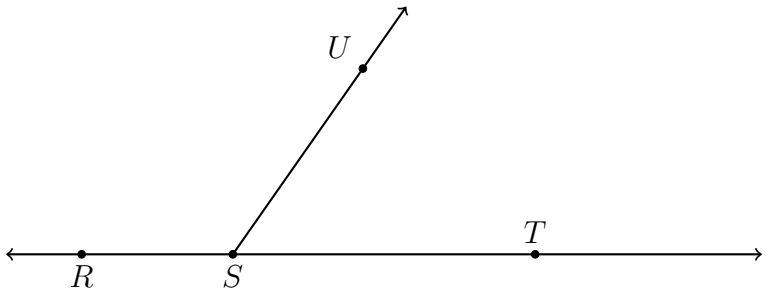


4. Find the measure of the angle in degrees and the given segment's length in centimeters.

   (a) $m\angle UST =$ _____

   (b) $SU =$ _____

   (c) Name a pair of opposite rays: _____



5. Measure the required angles of the diagram below and answer the questions.

   (a) $m\angle AOB =$ _____ $m\angle BOC =$ _____ $m\angle DOE =$ _____

   (b) Name an angle that is vertical to $\angle DOE$: _____

   (c) Name an angle that is complementary to $\angle AOB$: _____