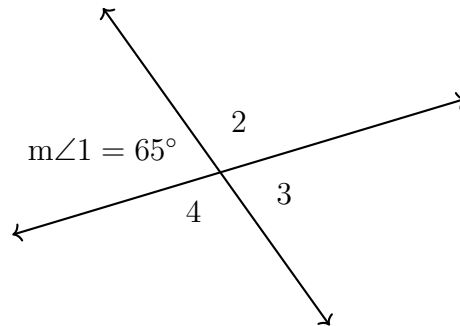


Name:

2.3 Homework: Vertical angles

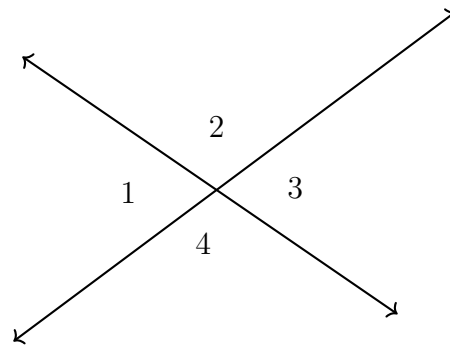
- Two lines intersect with $m\angle 1 = 65^\circ$. Find the measures of $\angle 2$, $\angle 3$, and $\angle 4$, marking them on the diagram.



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

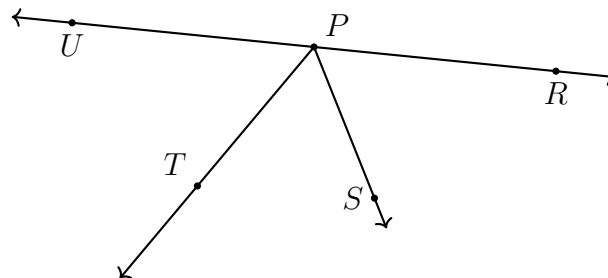
Given $m\angle 1 = 70^\circ$.

- Find $m\angle 3$



- Find $m\angle 4$

- Given the situation in the diagram, answer each question. Circle True or False.

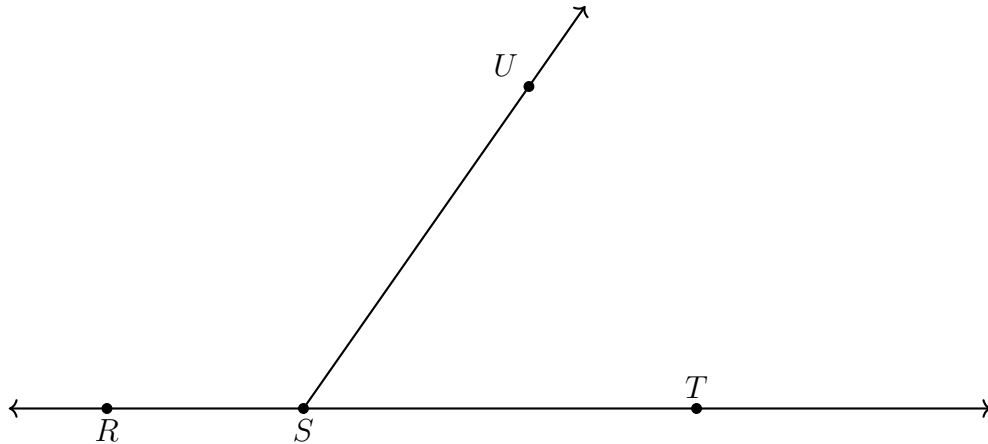


- True or False: \overrightarrow{RP} and \overrightarrow{UP} are opposite rays.
- True or False: $\angle TPR$ is supplementary to $\angle TPU$.
- True or False: $\angle RPS$ and $\angle TPS$ are complementary angles.
- True or False: $\angle RPS$ and $\angle TPU$ are vertical angles.

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. Given the diagram below.

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

(b) Name the ray that is opposite to \overrightarrow{OB} : _____

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

