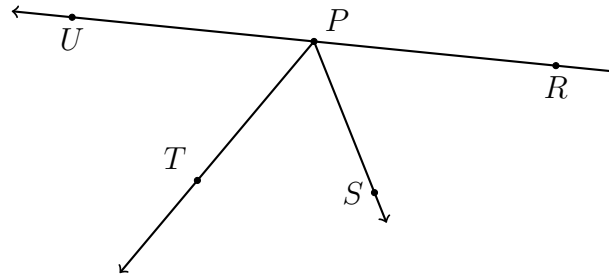


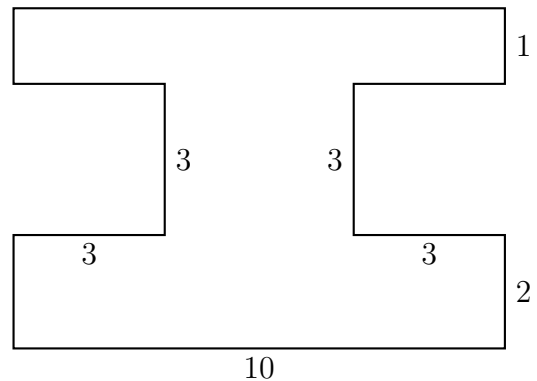
Name:

2.3 Homework: Special angle pairs

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



- (a) True or False: \overrightarrow{RP} and \overrightarrow{UP} are opposite rays.
- (b) True or False: $\angle TPR$ is supplementary to $\angle TPU$.
- (c) True or False: $\angle RPS$ and $\angle TPS$ are complementary angles.
- (d) True or False: $\angle RPS$ and $\angle TPU$ are vertical angles.
2. The shape shown below is composed of straight lines and right angles, with some lengths as marked. Find the perimeter of the figure. Show your work.



3. Given \overline{DEFG} , $DE = 1\frac{2}{5}$, $EF = 2\frac{3}{10}$, and $FG = \frac{4}{5}$. (diagram not to scale)

Find DG , expressed as a fraction, not a decimal.

