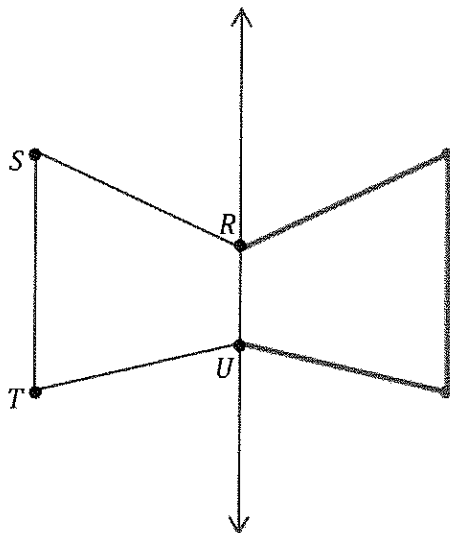


G5-M6-Lesson 17

1. Draw to create a figure that is symmetric about \overleftrightarrow{UR} .



In order to create a figure that is symmetric about \overleftrightarrow{UR} , I need to find points that are drawn using a line *perpendicular to and equidistant from* (the same distance from) the line of symmetry, \overleftrightarrow{UR} .

The distance from this point to the line of symmetry is the same as the distance from the line of symmetry to point S , when measured on a line perpendicular to the line of symmetry.

2. Complete the following construction in the space below.

a. Plot 3 non-collinear points, A , B , and C .

b. Draw \overline{AB} , \overline{BC} , and \overline{AC} .

c. Plot point D , and draw the remaining sides, such that quadrilateral $ABCD$ is symmetric about \overleftrightarrow{AC} .

\overleftrightarrow{AC} is the line of symmetry.

