Name _____

Date _____ Period _____
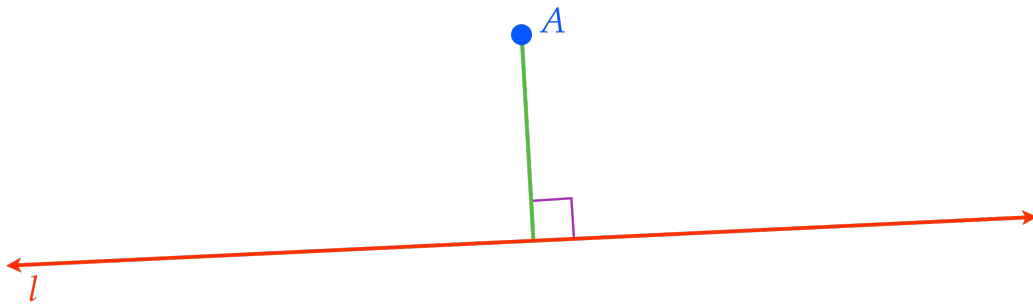
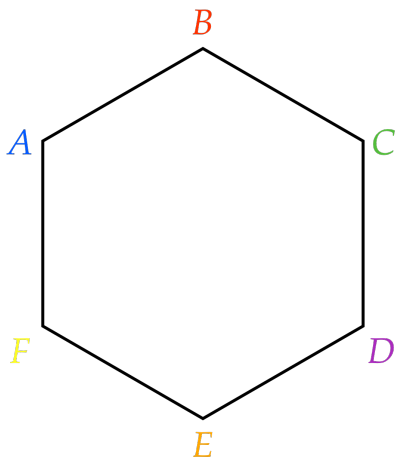# Distance Between a Point and a Line

The distance between a Line and a Point, not on the line, is the length of the segment perpendicular to the line from the point.

Given Line *l*... and Point *A*, not on Line *l*... the distance between Line *l* and Point *A*, is the length of the perpendicular segment from Point *A* to Line *l*.

Given the figures below, draw the segment that represents the distance indicated.

From Point *B* to $\overleftrightarrow{CD}$.
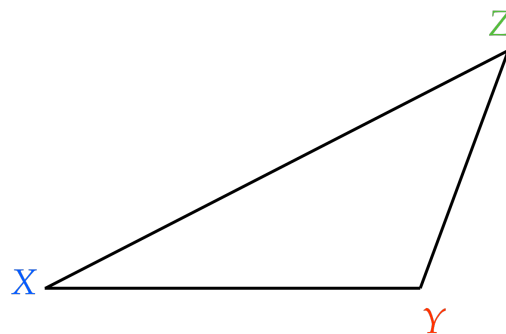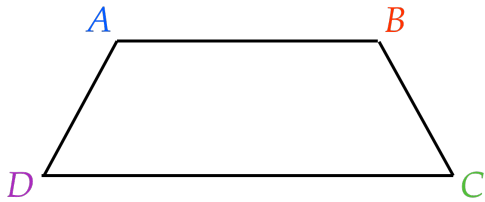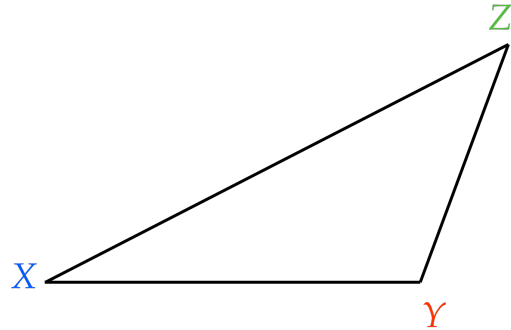
From Point *Z* to $\overleftrightarrow{XY}$.

Given the figures below, draw the segment that represents the distance indicated.

From Point A to $\overleftrightarrow{BC}$.

From Point Y to $\overleftrightarrow{XZ}$.

The distance between a Line and a Point, not on the line, is the length of the segment perpendicular to the line from the point.

Given Line l... and Point A, not on Line l...
the distance between Line l and Point A, is the length of the perpendicular segment from Point A to Line l.