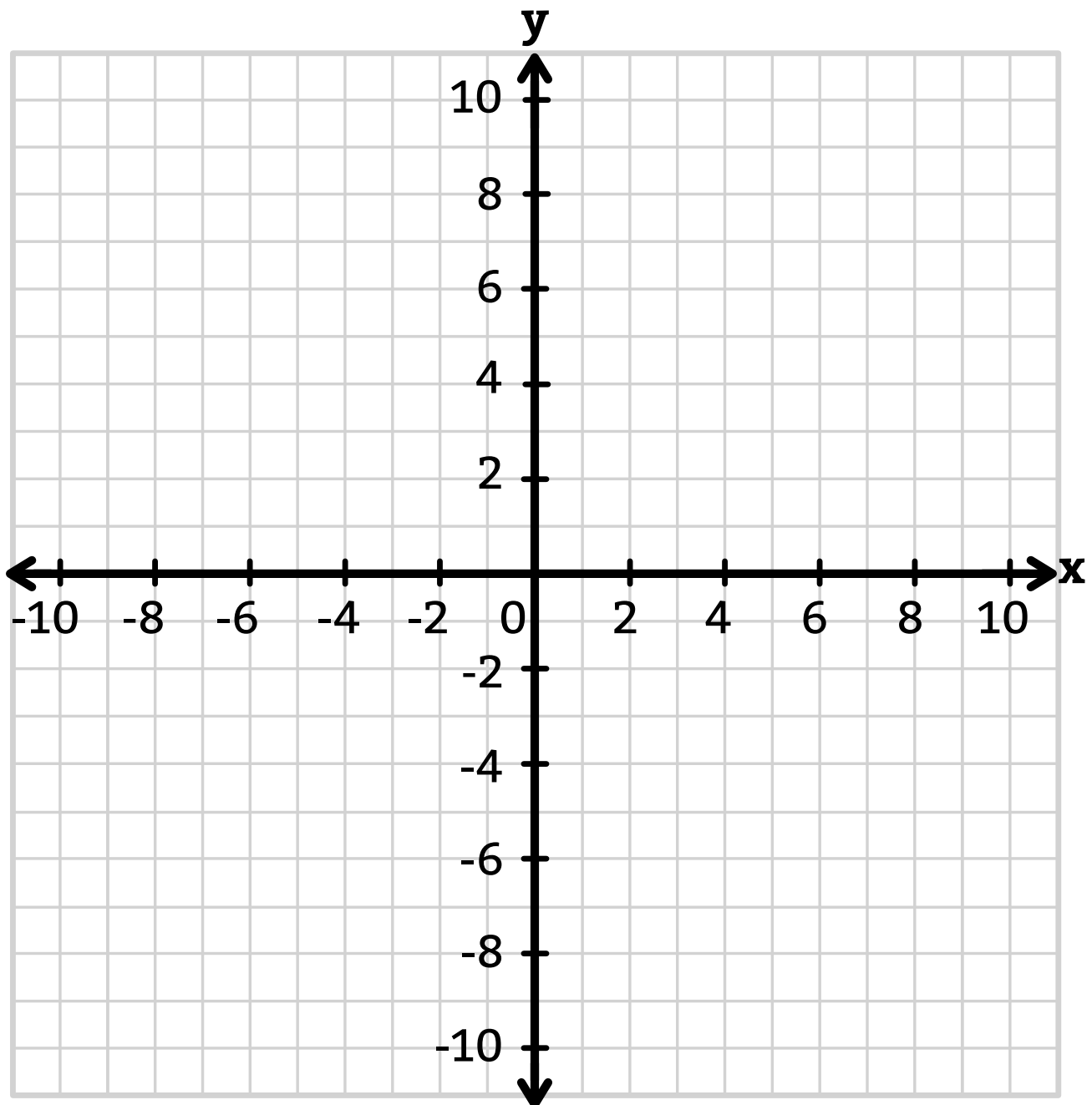# Creating, Predicting, and Performing Transformations

Plot a four-sided polygon.

Record a prediction for where each type of transformation (translation, reflection, rotation, and dilation) would move your shape, then perform each transformation.

Label your shape and transformations, then determine the mapping rules and record a description of each transformation.

Creating, Predicting, and Performing Transformations

Predictions:

Translation	Reflection	Rotation	Dilation

Mapping rules and descriptions:

Translation	Reflection	Rotation	Dilation