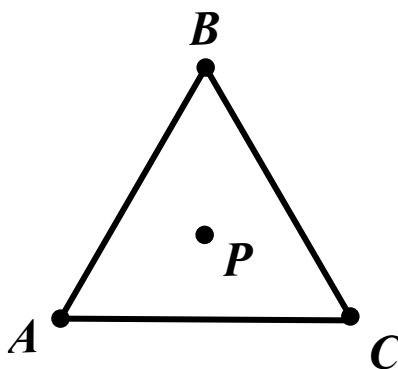
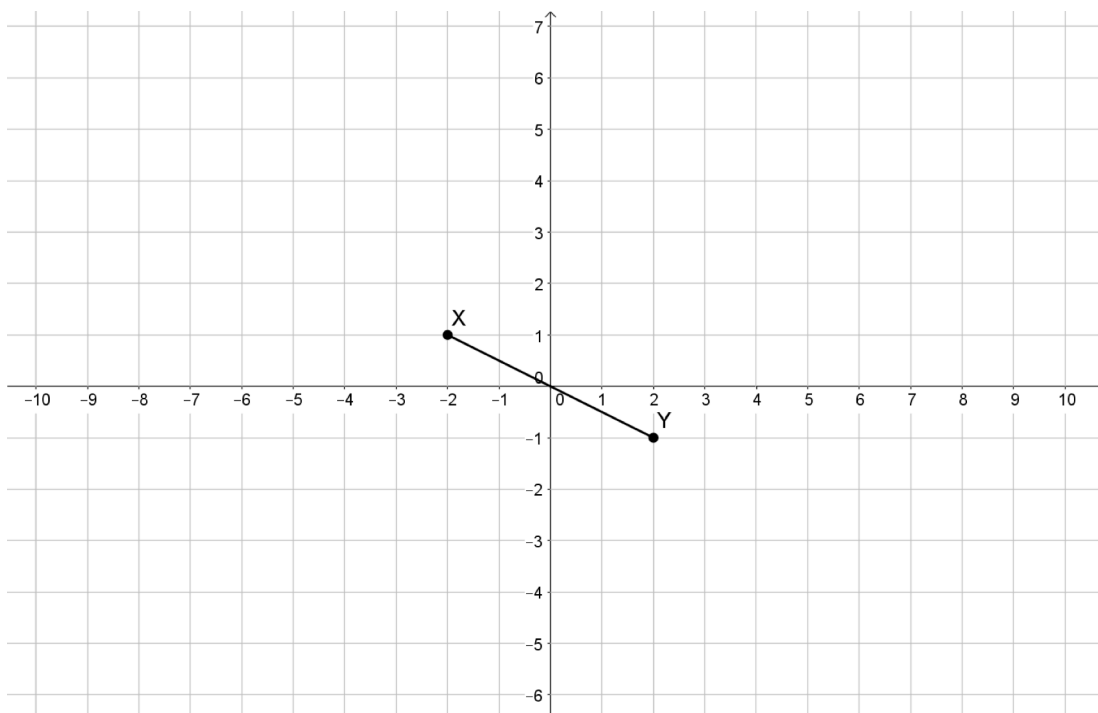


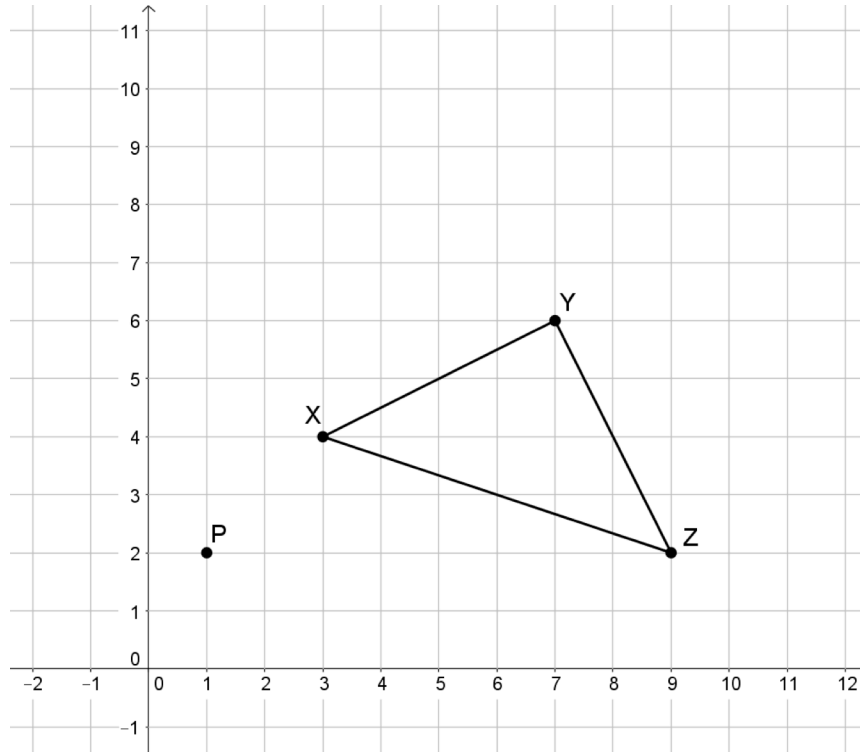
1. Dilate  $\triangle ABC$  about point  $P$  using a scale factor  $k = 3$ .



2. If  $D$  is the dilation about the origin with a scale factor of 4, draw the image of line segment  $XY$  below.



3. Dilate  $\triangle XYZ$  about point P with scale factor of one-half. Draw the image using dashed lines.



4. Tammy zooms in on a picture on her smart phone so she can more easily view it. In the diagrams below, the solid-line triangle represents the picture that Tammy wants to zoom in on. "Zooming" on her smart phone is an example of dilating about a point.

- A. In each diagram, identify and label the point P about which the triangle was dilated.
- B. Which diagram do you think more accurately illustrates what her phone does when it zooms in? Explain.

