

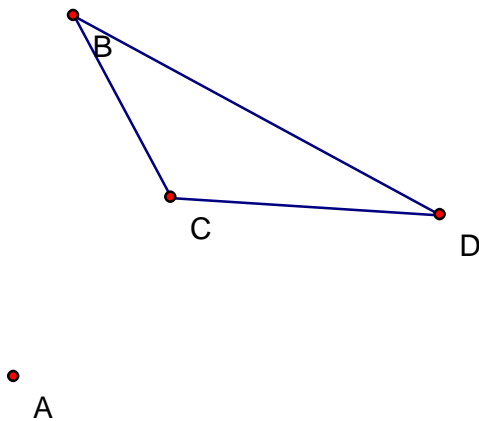
I will be able to:

3.15 – Draw a geometric figure given a dilation

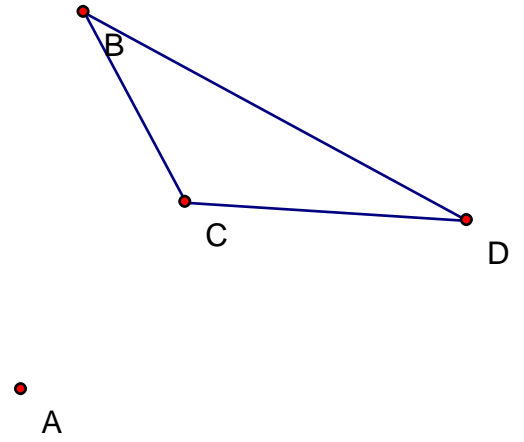
4.5/4.6 Exploration

Using a compass and a straight edge:

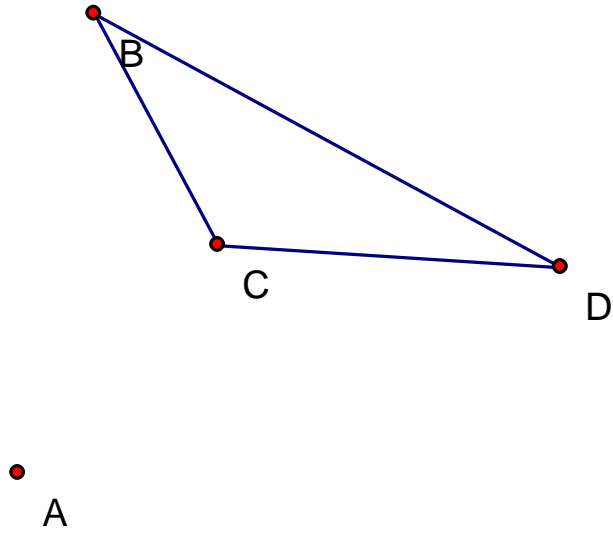
Dilate $\triangle BCD$ by a factor of 3 from center A.



Dilate $\triangle BCD$ by a factor of -1.5 from center A .



Dilate $\triangle BCD$ by a factor of 0.5 from center A.



Draw any $\triangle BCD$ in the middle of the page. Put point A inside the triangle.

Dilate $\triangle BCD$ by a factor of 2 from center A.