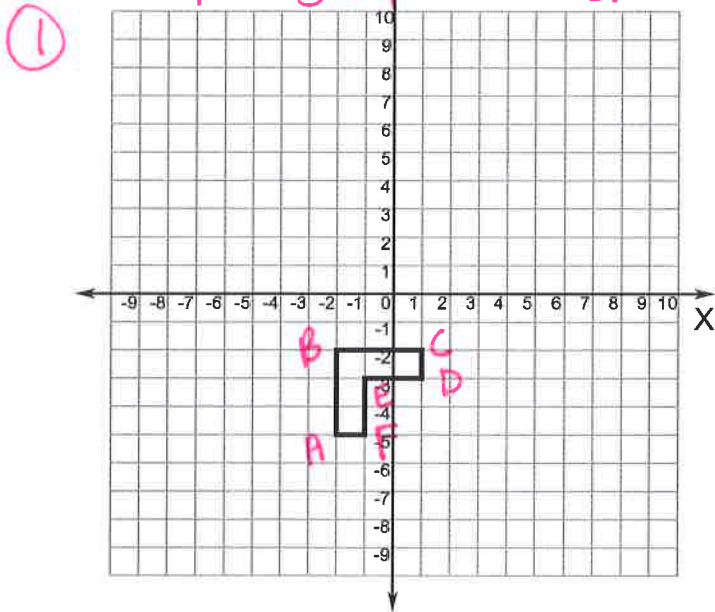


Dilations

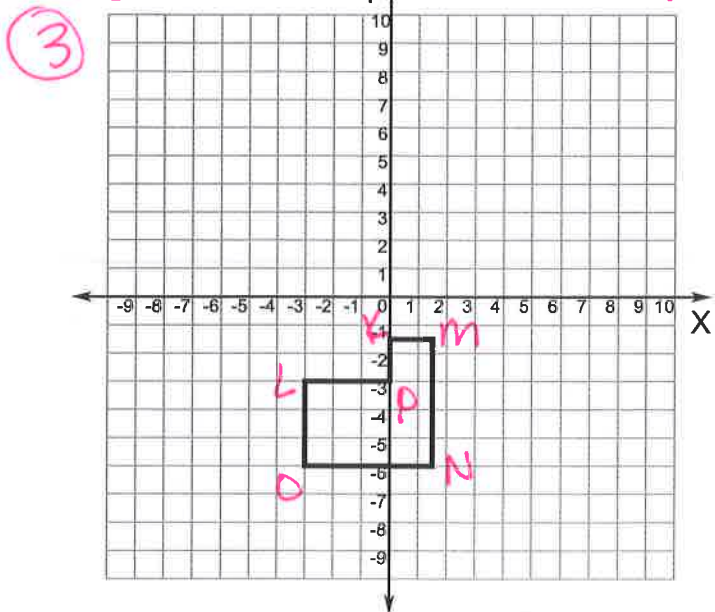
Name _____ Date _____

Step 1: record original points
 Step 2: dilate using given scale factor
 Step 3: graph the dilation



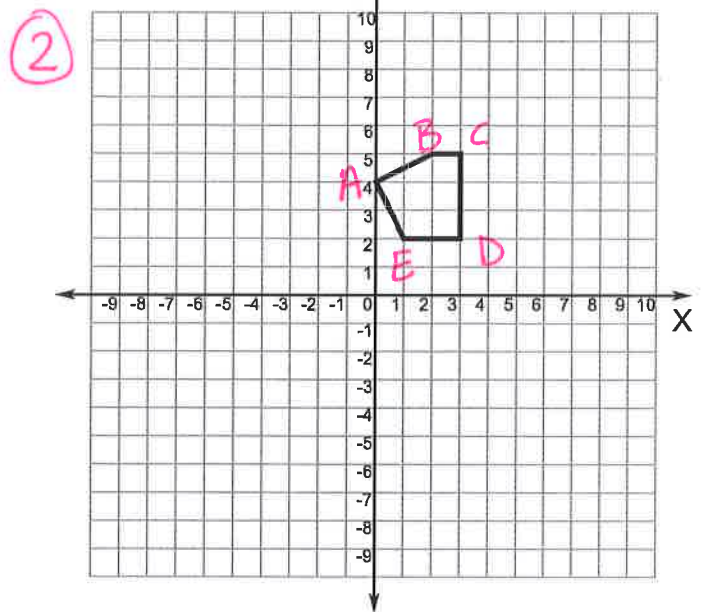
Dilate with a scale factor of 1.5, centered at the origin.

A A'
 B B'
 C C'
 D D'
 E E'
 F F'



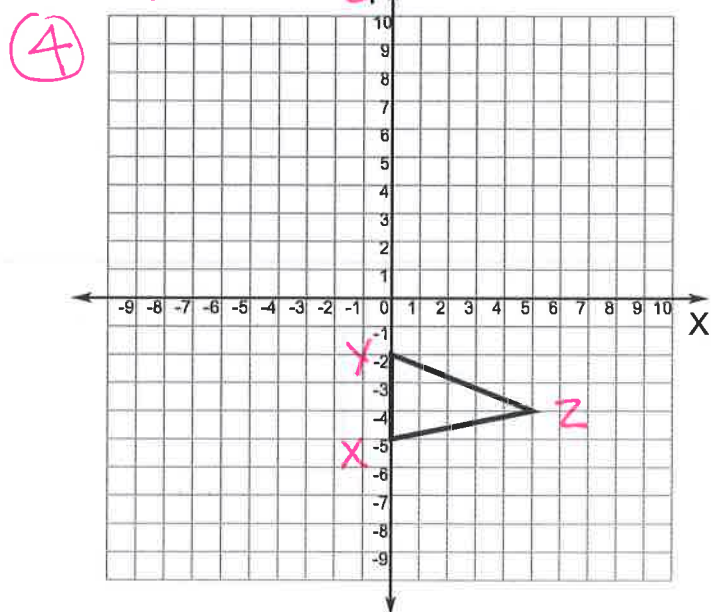
Dilate with a scale factor of $\frac{2}{3}$, centered at the origin.

K K'
 L L'
 M M'
 N N'
 O O'
 P P'



Dilate with a scale factor of 2, centered at the origin.

A A'
 B B'
 C C'
 D D'
 E E'



Dilate with a scale factor of 2, centered at the origin.

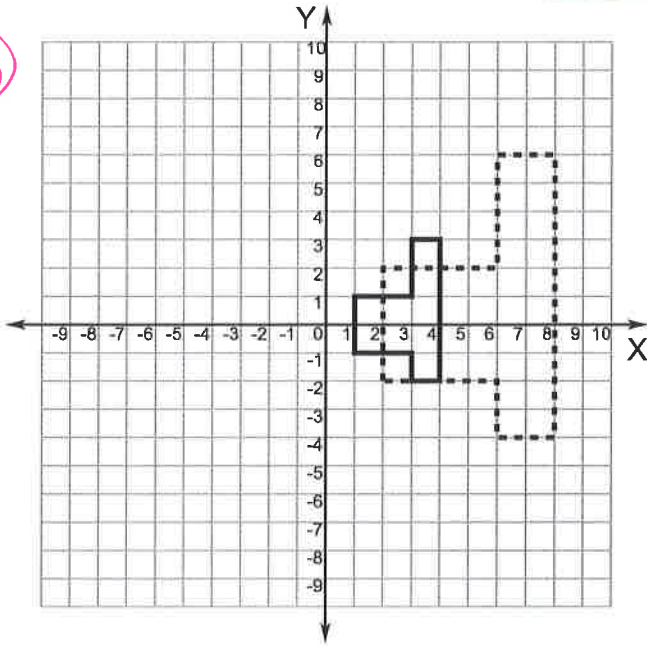
X X'
 Y Y'
 Z Z'

Step 1: find the
Scale factor



Step 2: write the
algebraic notation

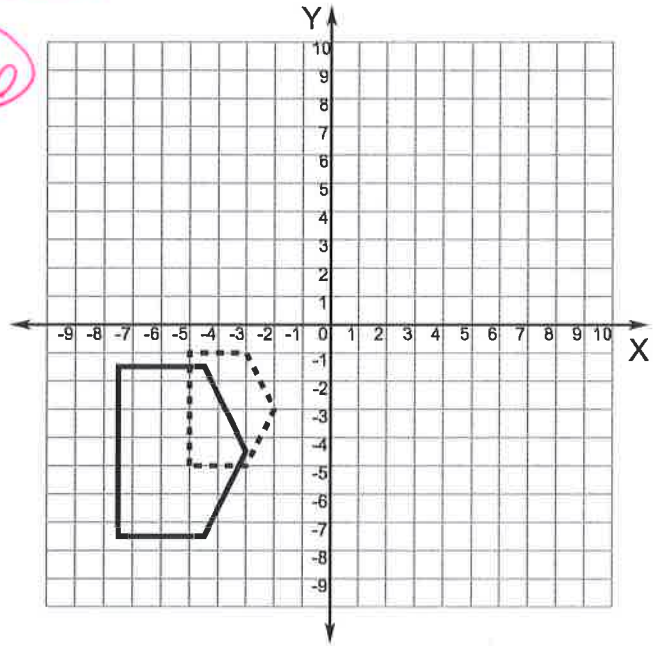
5



Dilate with a scale factor of

$(x, y) \rightarrow$

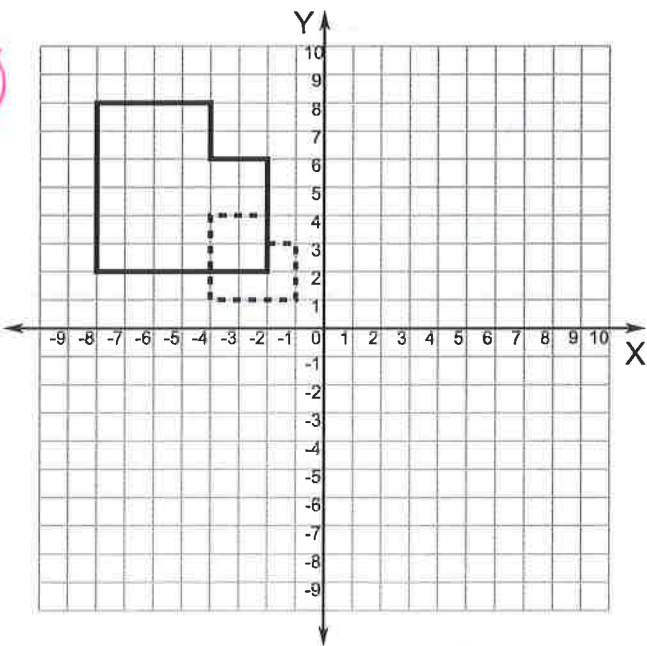
6



Dilate with a scale factor of

$(x, y) \rightarrow$

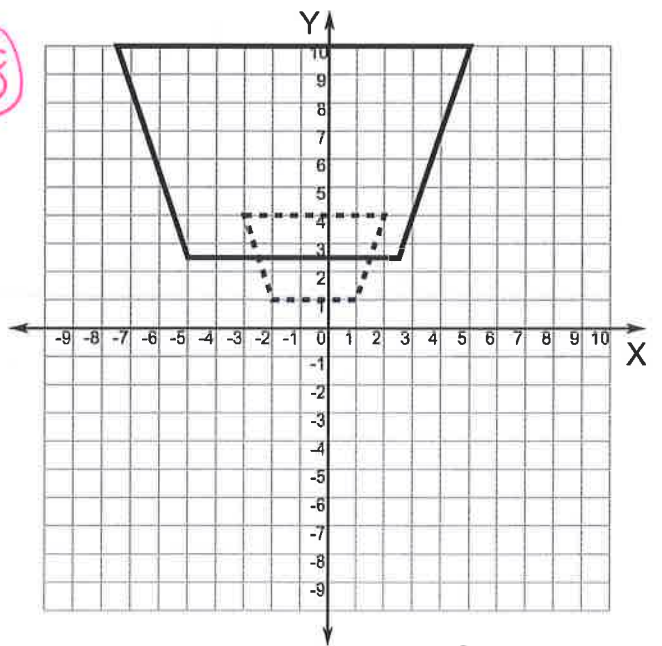
7



Dilate with a scale factor of

$(x, y) \rightarrow$

8



Dilate with a scale factor of

$(x, y) \rightarrow$