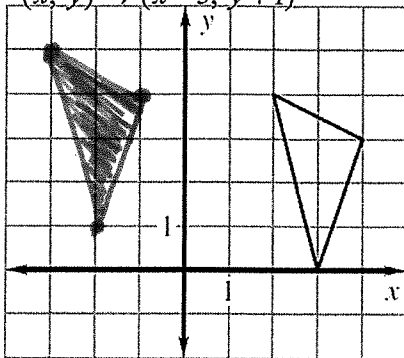
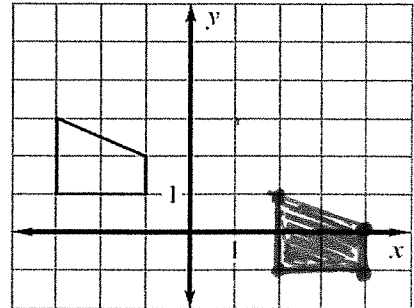


Sketch the image of the figure after the translation.

147. $(x, y) \rightarrow (x-5, y+1)$

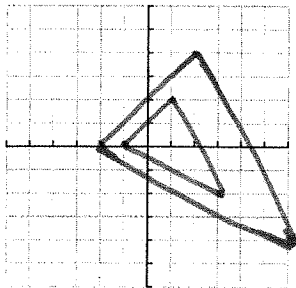


148. $(x, y) \rightarrow (x+5, y-2)$



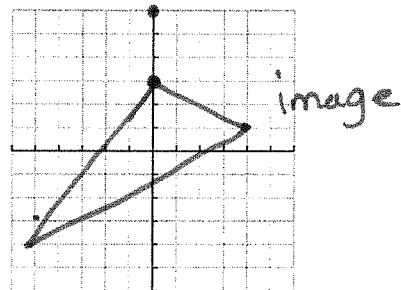
Draw a dilation of the polygon with the given vertices using the given scale factor k .

239. $A(1, 2), B(3, -2), C(-1, 0)$
 $k = 2$



$A'(2, 4) \quad B'(6, -4) \quad C'(-2, 0)$
 $(x, y) \rightarrow (2x, 2y)$

240. $A(0, 6), B(8, 2), C(-10, -8)$
 $k = \frac{1}{2}$



$A'(0, 3)$
 $B'(4, 1)$
 $C'(-5, -4)$
 $(x, y) \rightarrow (\frac{1}{2}x, \frac{1}{2}y)$