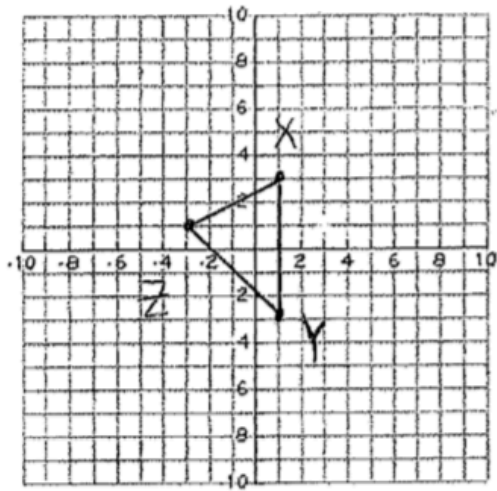
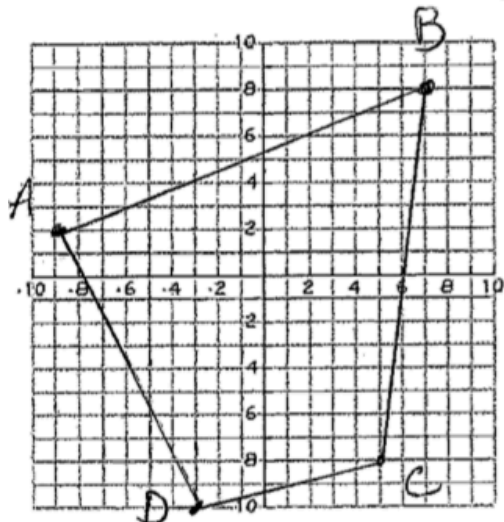


### Rotations And Dilations From Points Other Than The Origin

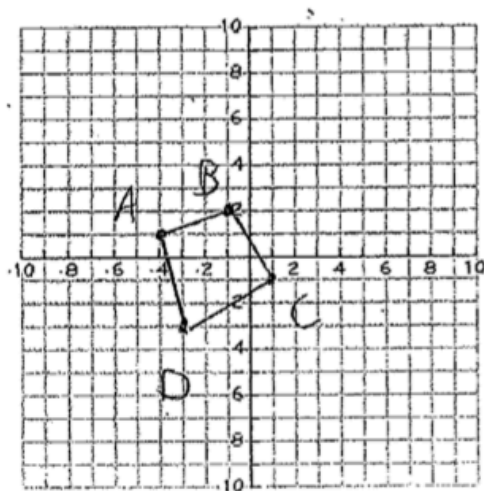
1. Graph the dilated image of Triangle XYZ using a scale factor of  $\frac{5}{2}$  and a center of dilation  $(-1, 1)$ .



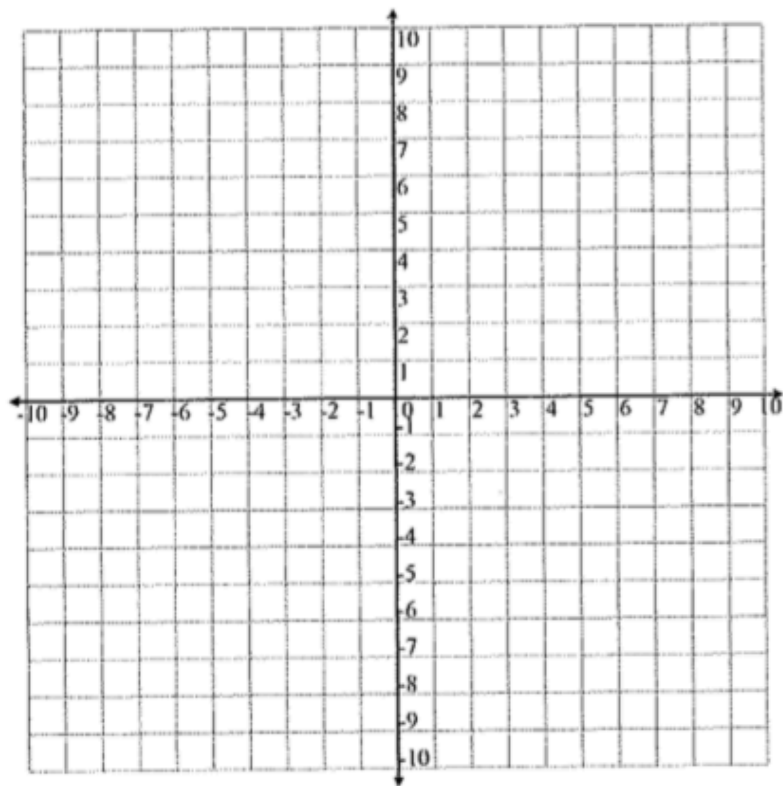
2. Graph the dilated image of Quadrilateral ABCD using a scale factor of  $\frac{1}{2}$  and center of dilation  $(1, -2)$ .



3. Graph the dilated image of Quadrilateral ABCD using a scale factor of 3 and center of dilation  $(-2, 0)$ .



4. Rotate Triangle GHI with  $G(-3, 4)$ ,  $H(2, -4)$  and  $I(3, 6)$   $270^\circ$  clockwise about the point  $(-3, 1)$ .



5. Rotate Triangle XYZ with  $X(5, -2)$ ,  $Y(1, 3)$  and  $Z(6, 2)$   $90^\circ$  clockwise about the point  $(-4, -1)$ .

