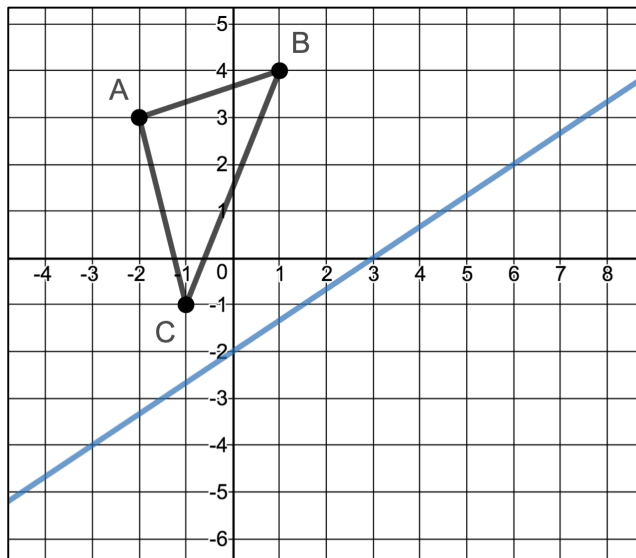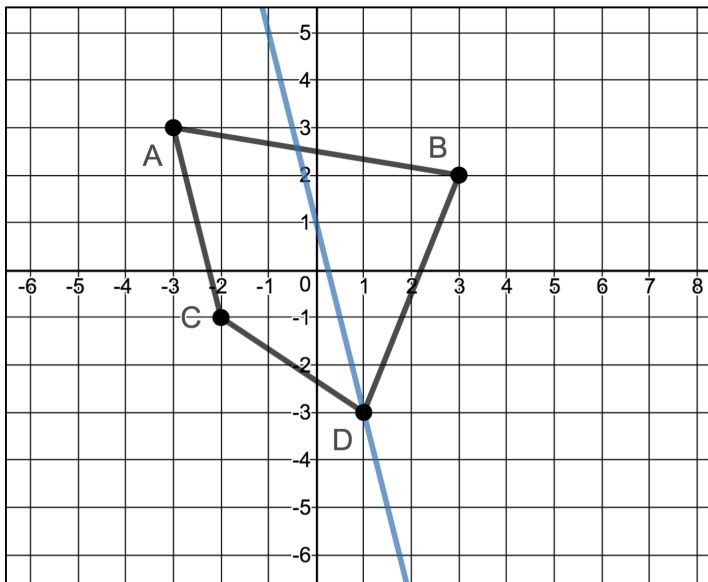Assignment 7.4 Geometric Transformation

1.   Reflect ABC over the line $y = \frac{2}{3}x - 2$

a.   Find the slope that is perpendicular to the line

b.   Draw lines through each of the corners using the perpendicular slope you found

c.   Measure the distance to the line of reflection to use to reflect the corners

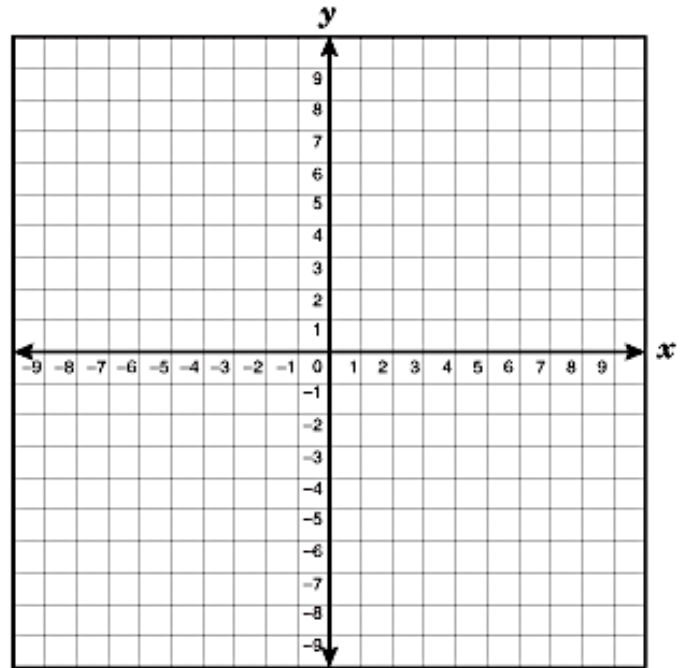d.   Draw and label the shape

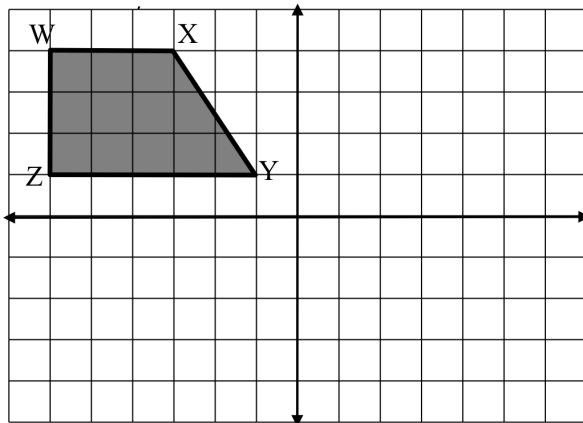2. Reflect ABDC over the line $y = -4x + 1$

3. Reflect BLUE over the $y = -\frac{4}{3}x + 5$

B: (2,9), L: (5,4), U: (1,2), E: (0,5)

Refresh your memory

4. Rotate WXYZ around the point $(-2, -2)$ in a clockwise direction by 90°

5. Rotate BUG around the point $(1, 2)$ in counterclockwise direction by 180°