

Notes 7.5 – Geometric Transformations

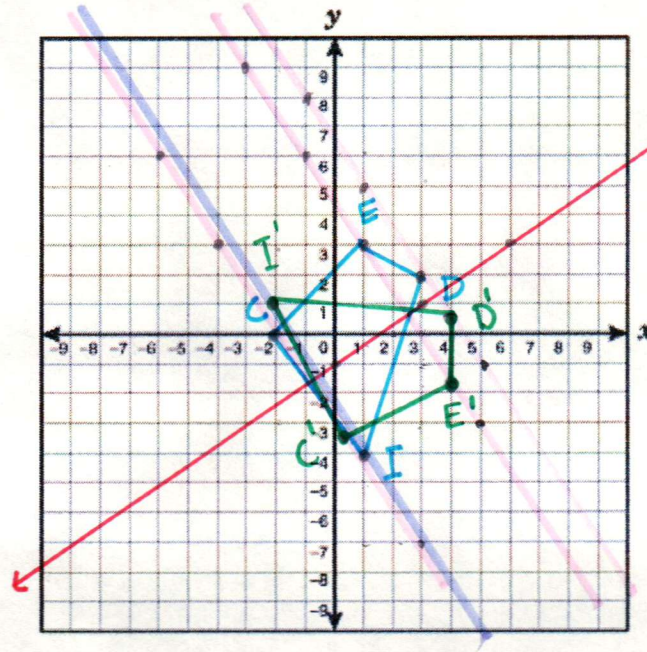
Practice Reflecting

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

pre-image

D: (3,2) I: (1,-4) C: (-2,0) E: (1,3)

$\perp m = -\frac{3}{2}$



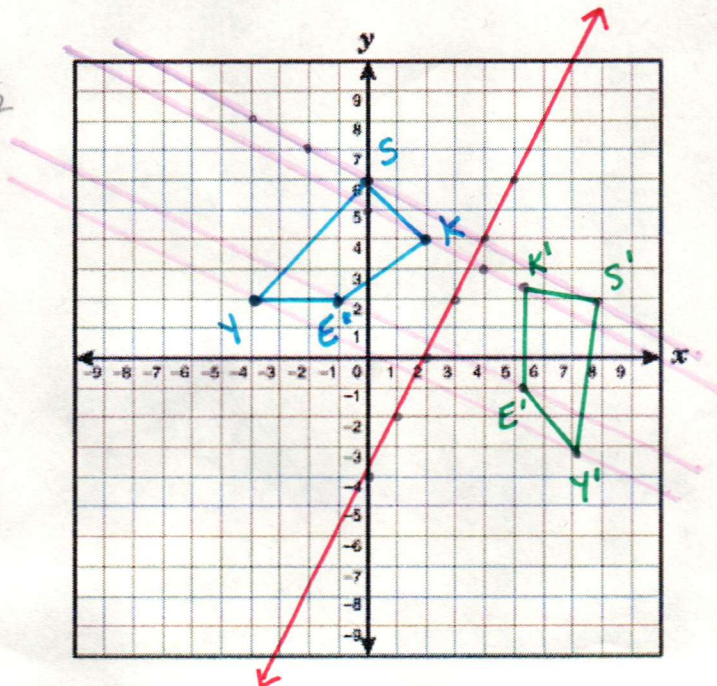
line of reflection

*D'I'C'E'
image*

2. Reflect KEYS over the $y = 2x - 4$

K: (2,4) E: (-1,2) Y: (-4,2) S: (0,6)

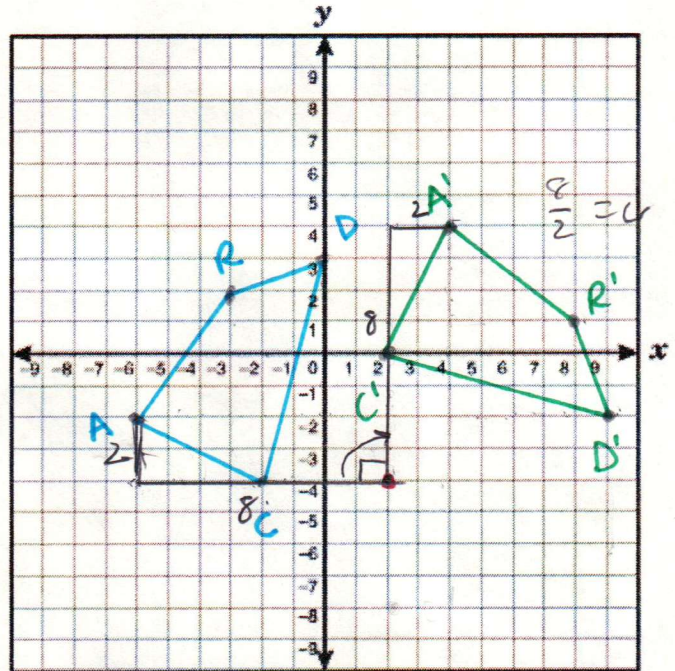
$\perp m = -\frac{1}{2}$



Practice Rotating

3. Rotate CARD clockwise 90° around the point $(2, -4)$

C: $(-2, -4)$ A: $(-6, -2)$ R: $(-3, 2)$ D: $(0, 3)$



3. Rotate DOGS 180° around the point $(1, 3)$

D: $(5, 5)$ O: $(8, 4)$ G: $(8, -3)$ S: $(4, -1)$

