

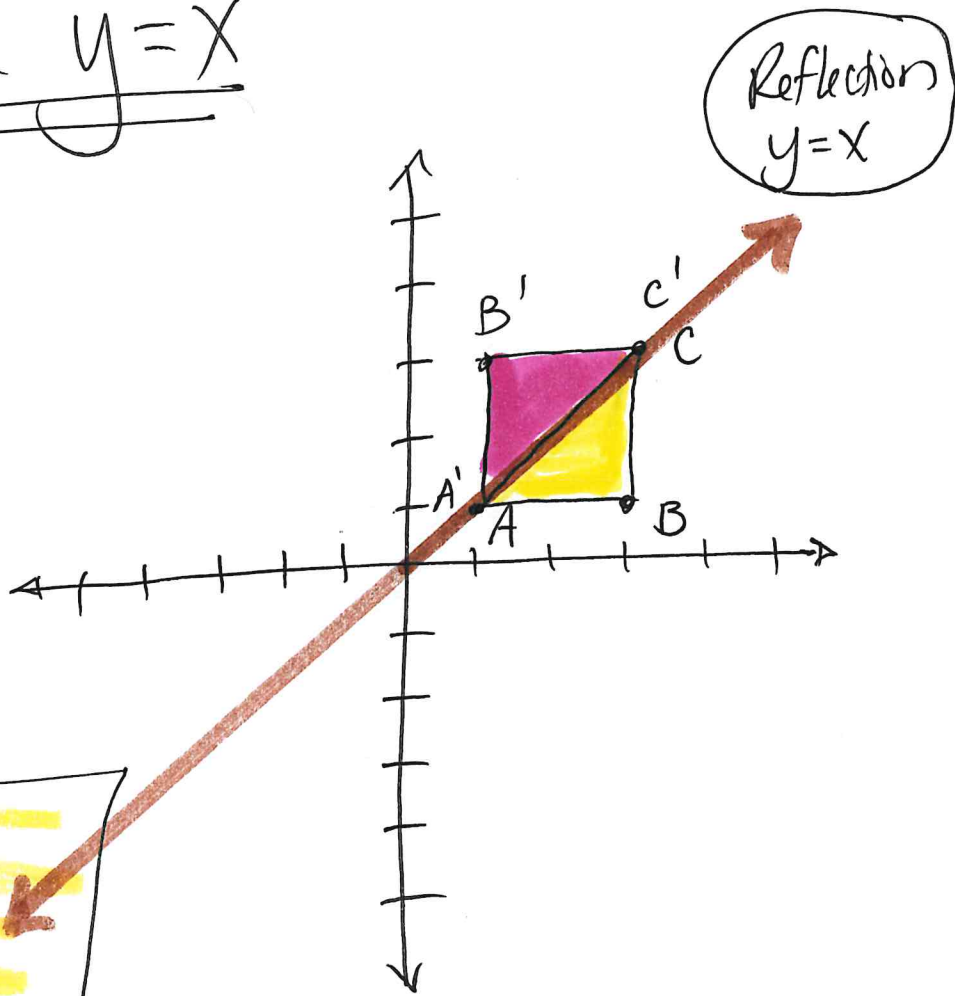
Lesson 20 9/22 Rigid Motion  
w/ Reflections

ie1 Reflection  $y=x$

$A(1,1)$

$B(3,1)$

$C(3,3)$



FORMULA  $(y=x)$

$(x, y) \rightarrow (y, x)$   
pre-image                  image

$A'(1, 1)$

$B'(1, 3)$

$C'(3, 3)$

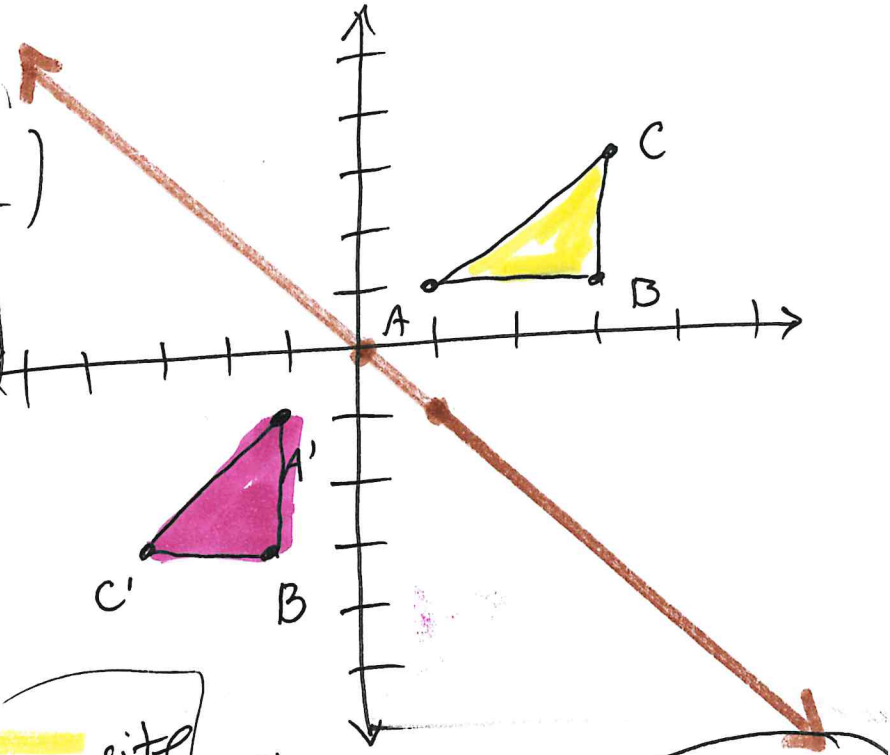
①

(ie2) Reflection  $y = -x$

$$A(1, 1) \quad A'(-1, -1)$$

$$B(3, 1) \quad B'(-1, -3)$$

$$C(3, 3) \quad C'(-3, -3)$$



FORMULA  $y = -x$

$$(x, y) \rightarrow (-y, -x)$$

↑ pre-image

opposite opposite

$y = -x$   
Reflection

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Name: \_\_\_\_\_

HR: \_\_\_\_\_

1) Reflect  $y = x$

$A(-2, 4)$

$B(3, 2)$

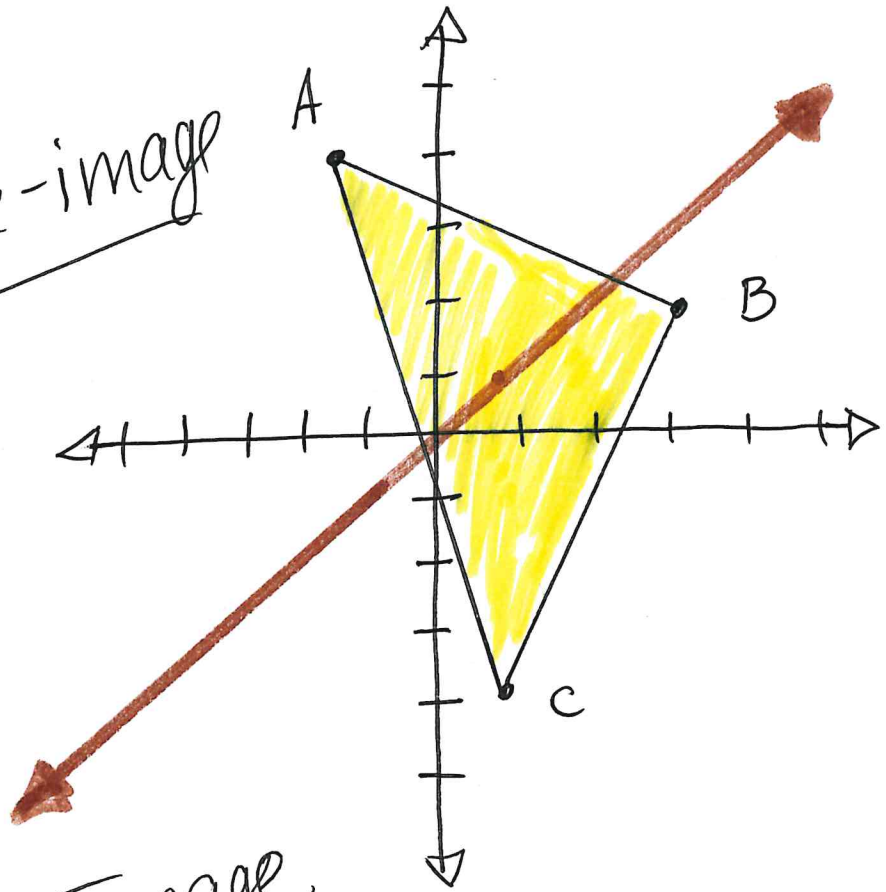
$C(1, -4)$

$A' ( \quad , \quad )$

$B' ( \quad , \quad )$

$C' ( \quad , \quad )$

pre-image



Image

2) Reflect  $y = -x$

$A(-2, 4)$

$B(3, 2)$

$C(1, -4)$

$A'(-4, 2)$

$B'(\quad, \quad)$

$C'(\quad, \quad)$

