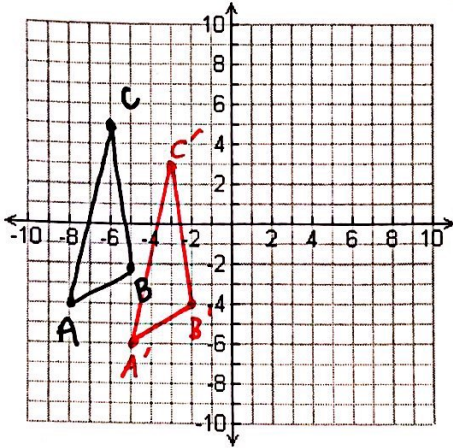


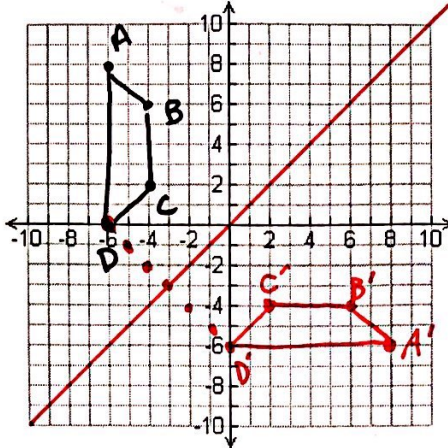
Transformations – Review Worksheet

You must label the vertices of your image! All rotations are around the origin.

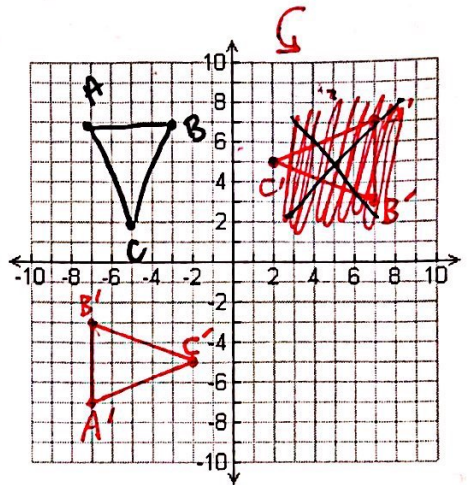
1) $(x, y) \rightarrow (x+3, y-2)$
right 3, down 2



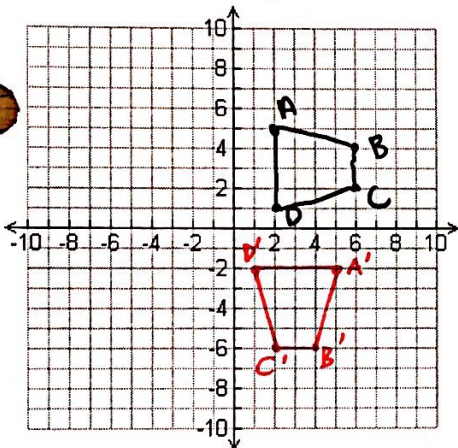
2) Reflect across the line $y = x$



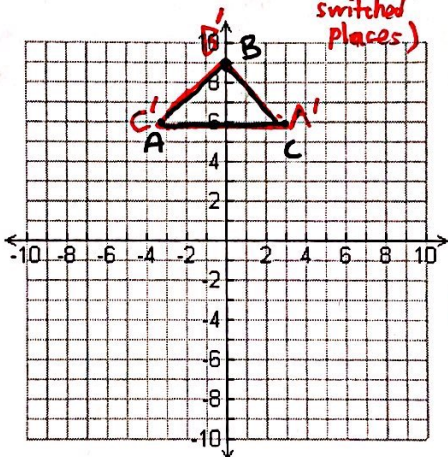
3) Rotate 90° counterclockwise



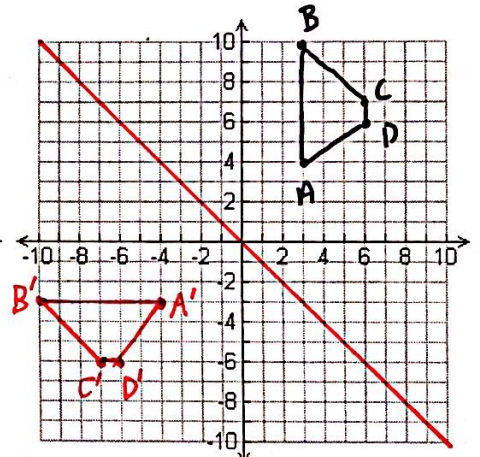
4) Rotate 270° counterclockwise
or 90° CW



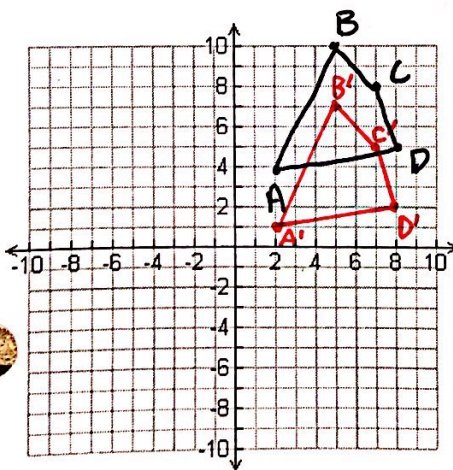
5) Reflect across y-axis
(Same, A+C switched places.)



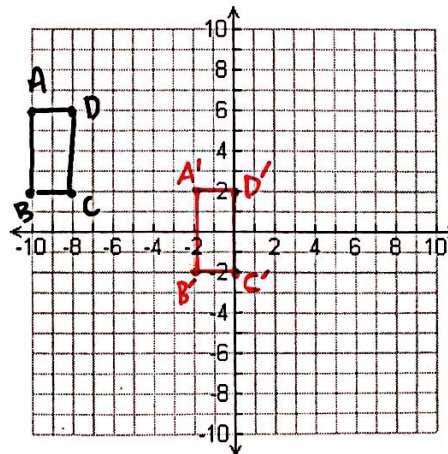
6) Reflect across $y = -x$



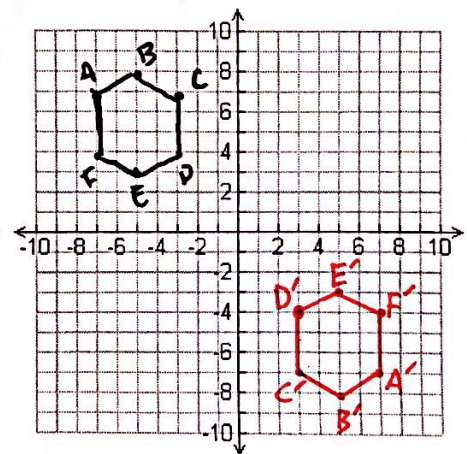
7) $(x, y) \rightarrow (x, y - 3)$
down 3



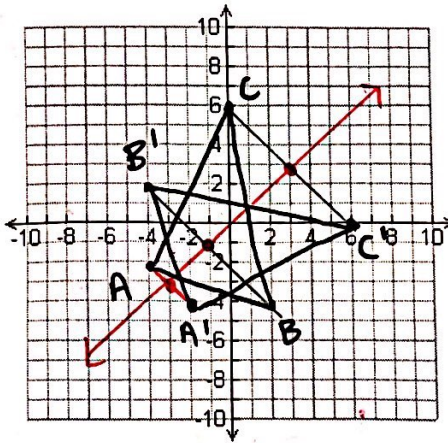
8) Translate by the vector $\langle 8, -4 \rangle$
right 8, down 4



9) Rotate 180°

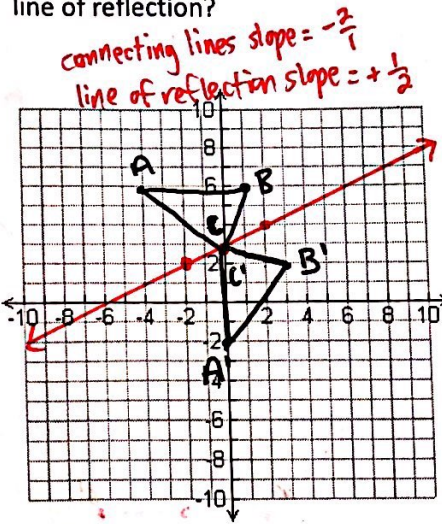


10) What is the equation for the line of reflection?



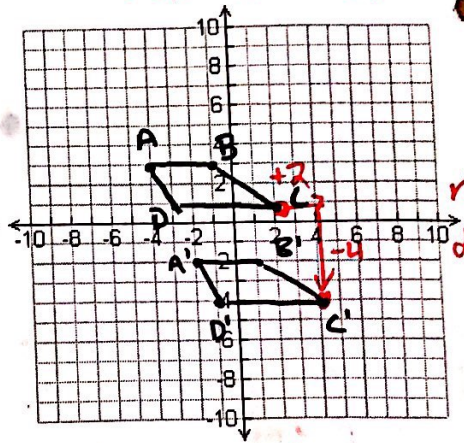
$y = 1x + 0$ or $y = x$

11) What is the equation for the line of reflection?



$y = \frac{1}{2}x + 3$

12) Write the rule in coordinate notation for the transformation on the graph below.



$(x, y) \rightarrow (x+2, y-4)$

right 2
down 4

Things you can do to prepare for the quiz!

1. Past homework assignments
2. Review notes and activities from class
3. Look over sections 17.1, 17.2, and 17.3 in the textbook
4. THIS REVIEW SHEET?!?!