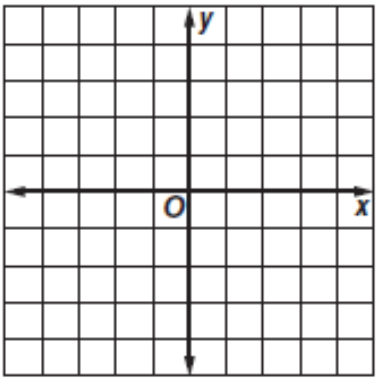
Geometry
Ch. 9 Review

Name _____Hour _____

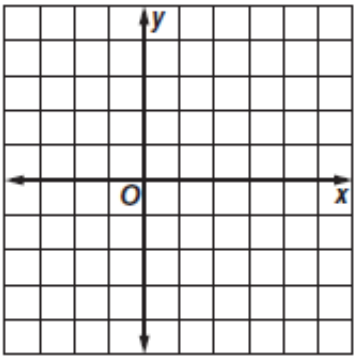
1) Reflect. It's across the origin.
Think about it a bit.

quadrilateral $ABCD$ with vertices $A(-3, 3)$, $B(1, 4)$, $C(4, 0)$, and $D(-3, -3)$ in the origin

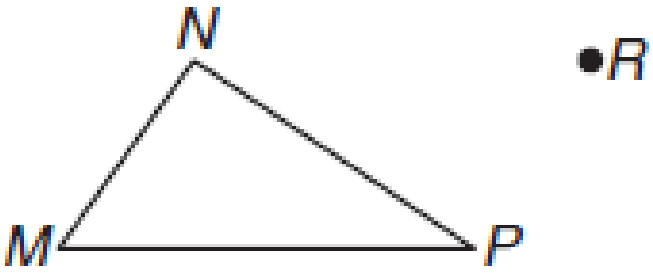


2) Translate.

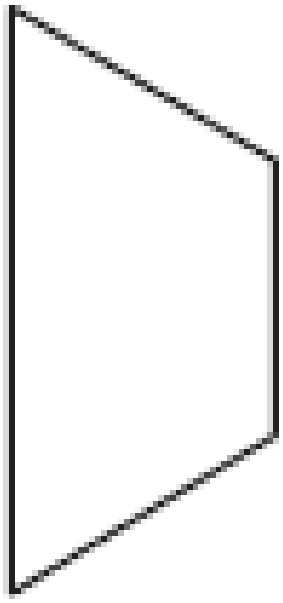
pentagon $DEFGH$ with vertices $D(-1, -2)$, $E(2, -1)$, $F(5, -2)$, $G(4, -4)$, $H(1, -4)$ under the translation $(x, y) \rightarrow (x - 1, y + 5)$



3) Use a compass and protractor to rotate 80° counterclockwise.



4) Dilate. $r = \frac{2}{3}$



5) Draw the vector $\overrightarrow{OB} = \langle 3,4 \rangle$.
Find the magnitude and direction.