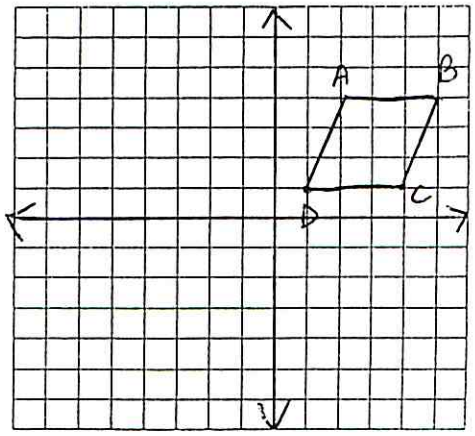
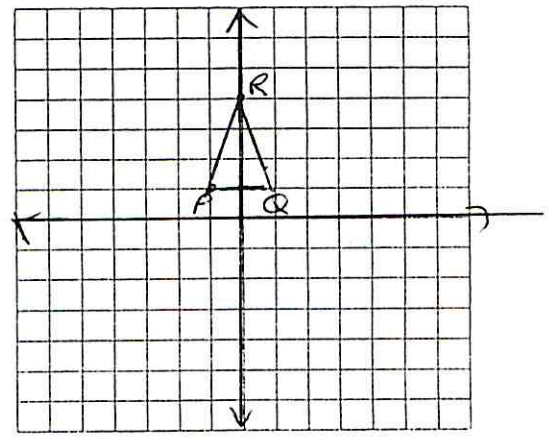
Geometry
Unit 1
Sec 9.6

1. Translate the figure with this rule: $(x , y) \rightarrow (x - 2, y - 4)$. Then reflect it over the x-axis. Label all figures.



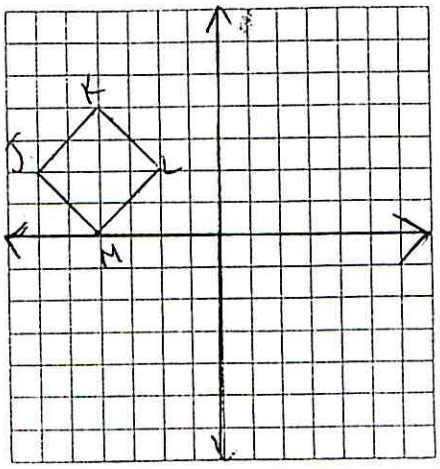
A translation followed by a reflection looks like a _____.

2. Reflect figure over the line $x = 2$, then reflect over the y-axis. Label all figures.



Back to back reflections look like a _____.

3. Translate the figure using the rule $(x , y) \rightarrow (x + 2 , y + 1)$. Then translate that figure using the rule $(x , y) \rightarrow (x - 3, y - 2)$.



Write a rule that transforms the first figure directly to the third