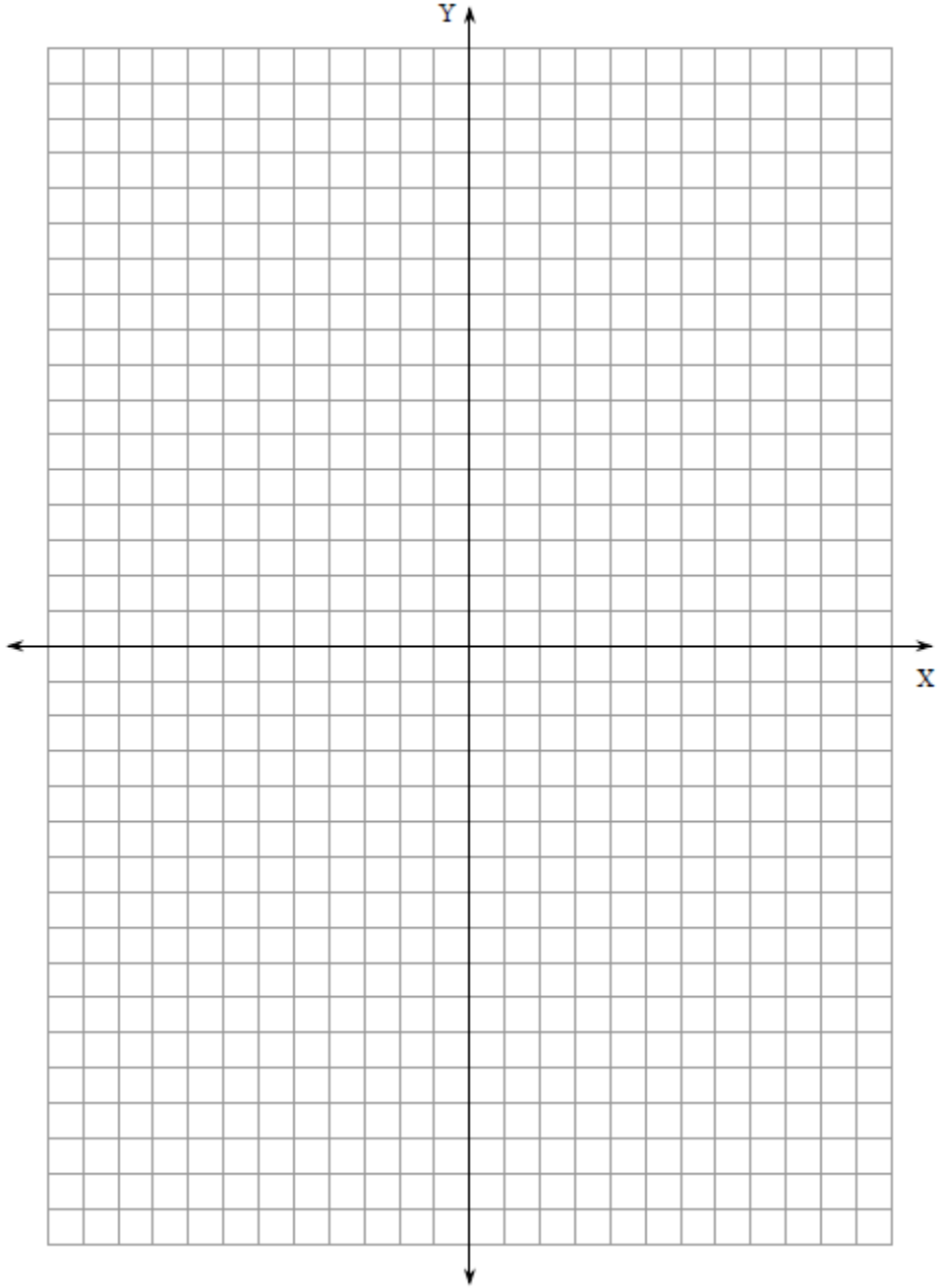


Transformation Challenge Warm-Up!

Plot the point $(5, 1)$ A. Now, perform the following transformations in order. Where does your point end up???

Translate $\langle 6, -3 \rangle$ B. Reflect over y-axis C. Translate $\langle 3, 2 \rangle$ D. Reflect over x-axis E. Reflect over $x = -3$ F.

Translate $\langle 0, 8 \rangle$ G. Translate $\langle -4, -5 \rangle$ H. Reflect over y-axis I. Translate $\langle -2, 3 \rangle$ J. Where are we????



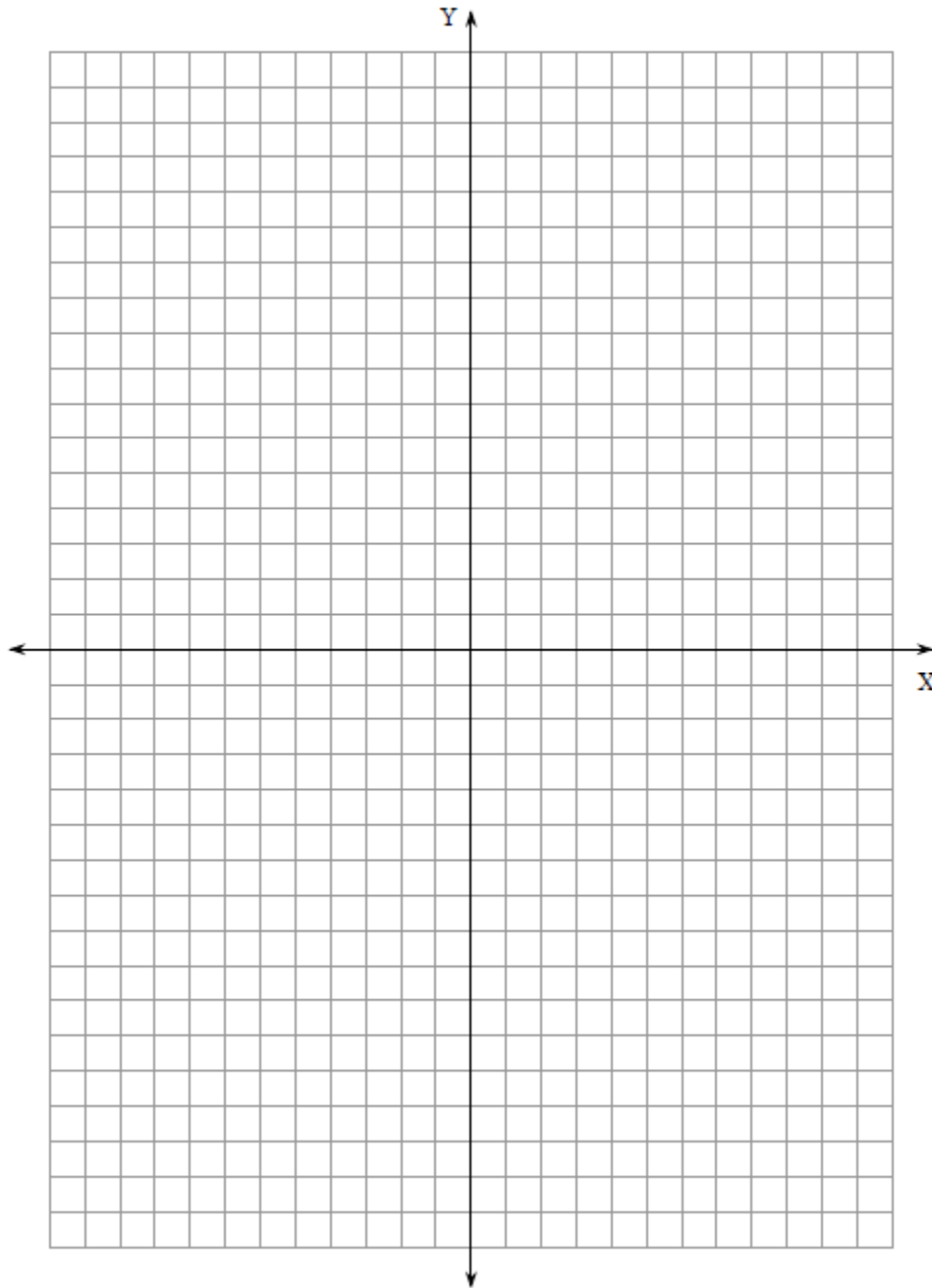
Name: _____

Transformation Challenge 1!

Plot the point $(-4, 2)$ A. Now, perform the following transformations in order. Where does your point end up???

Translate $\langle 3, 5 \rangle$ B. Reflect over y-axis C. Translate $\langle 0, -4 \rangle$ D. Reflect over x-axis E. Reflect over $y = -1$ F.

Translate $\langle -10, -6 \rangle$ G. Translate $\langle 5, 0 \rangle$ H. Reflect over $x = -2$ I. Translate $\langle 0, 5 \rangle$ J



Name: _____

Transformation Challenge 2!

Plot the point $(10, 1)$ A. Now, perform the following transformations in order. Where does your point end up???

Translate $\langle -5, 5 \rangle$ B. Reflect over x-axis C. Translate $\langle 0, 6 \rangle$ D. Reflect over y-axis E. Reflect over $y = 6$ F.

Translate $\langle -7, 5 \rangle$ G. Translate $\langle 10, -34 \rangle$ H. Reflect over $x = -1$. Where do you end up? (,)

