

MULTIPLE TRANSFORMATIONS IN 1:

You MUST label the vertices of your final image!!!

Challenge 1

- Start with: $F(-2, 8)$ $U(-4, 6)$ $N(-2, 2)$
- First reflect across the y-axis, then translate 6 units right and 1 unit up, then reflect across the x-axis.

Challenge 2

- Start with: $M(5, -7)$ $E(5, -4)$ $I(7, -2)$ $G(9, -4)$ $S(9, -7)$
- First rotate 180° about the origin, then reflect across the y-axis, then reflect across the x-axis

Challenge 3

- Start with: $K(-8, 2)$ $I(-7, 4)$ $T(-4, 2)$ $E(-5, -2)$
- First reflect across the x-axis, then rotate 90° counterclockwise about the origin, then translate 2 units right and 5 units up

Challenge 4

- Start with: $W(-3, 6)$ $I(-3, 8)$ $O(3, 8)$ $A(3, 6)$
- First translate 4 units left and 1 unit down, then reflect across the y-axis, then rotate 90° clockwise about the origin, then reflect across the line $x = 2$