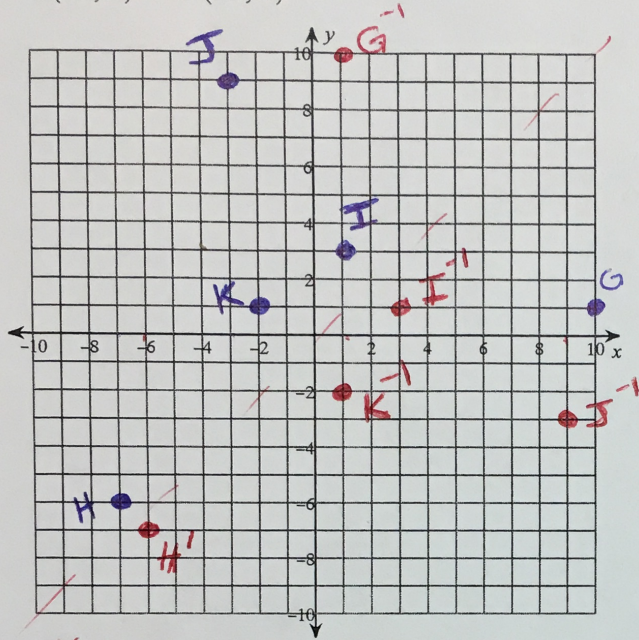


Graphing Inverses - NOTES

Find and graph the inverse of the relation below.

- 1) $G(10, 1)$ $H(-7, -6)$ $I(1, 3)$
 $J(-3, 9)$ $K(-2, 1)$



★ SWITCH THE X & Y COORDINATES

REGULAR

- $G: (10, 1)$
 $H: (-7, -6)$
 $I: (1, 3)$
 $J: (-3, 9)$
 $K: (-2, 1)$

INVERSE

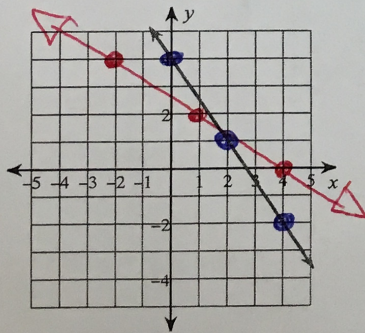
- $G^{-1}: (1, 10)$
 $H^{-1}: (-6, -7)$
 $I^{-1}: (3, 1)$
 $J^{-1}: (9, -3)$
 $K^{-1}: (1, -2)$

★ THEY ARE A REFLECTION OF EACH OTHER OVER THE DIAGONAL LINE $y = x$.

Graph the inverse of each function.

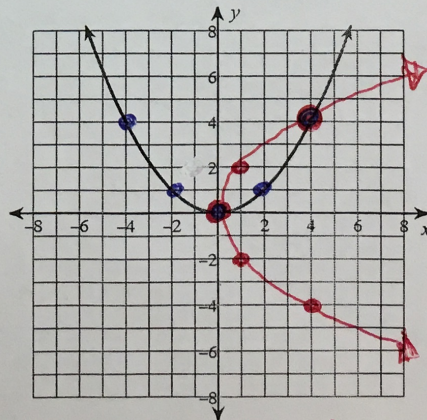
→ PICK A FEW POINTS ON THE ORIGINAL GRAPH TO SWITCH, THEN CONNECT.

2)



- $(0, 4)$ $(4, 0)$
 $(2, 1) \rightarrow (1, 2)$
 $(4, -2) \rightarrow (-2, 4)$

3)



- $(-4, 4)$ $(4, -4)$
 $(-2, 1)$ $(1, -2)$
 $(0, 0) \rightarrow (0, 0)$
 $(2, 1)$ $(1, 2)$
 $(4, 4)$ $(4, 4)$