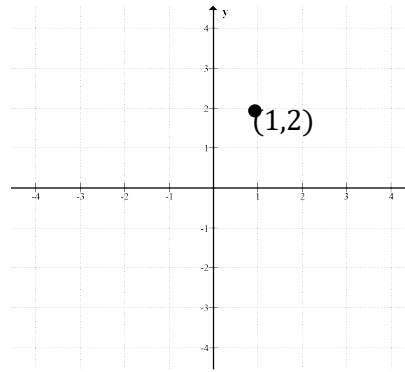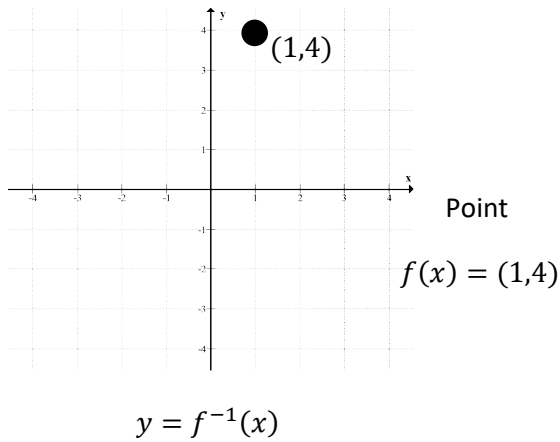# C12 - 1.4 - Point $f^{-1}(x)$ Inverse HW



(1,2)

Point

$(x, f(x)) = (1,2)$

*Perform the following operations on the point $(x, f(x))$ and state the new point and write in mapping notation. Draw the new point on the graph.*



(1,4)

Point

$f(x) = (1,4)$

$y = f^{-1}(x)$
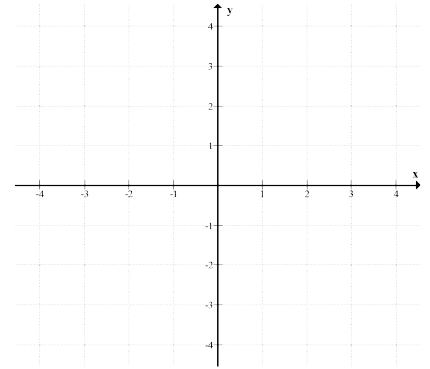
$(2,4) \rightarrow$

$(-1,3) \rightarrow$

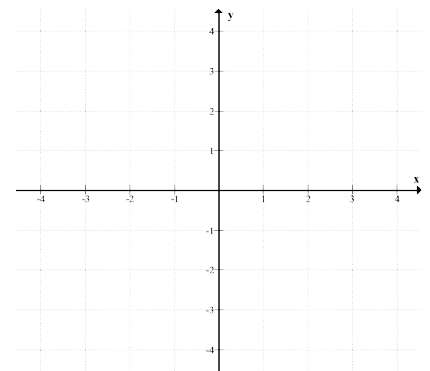$\left(4, -\dfrac{1}{2}\right) \rightarrow$

# C12 - 1.4 - Graph/Algebra $f^{-1}(x)$ Inverse HW

Find the inverse of the following function and draw both on a graph and label at least 2 points on each
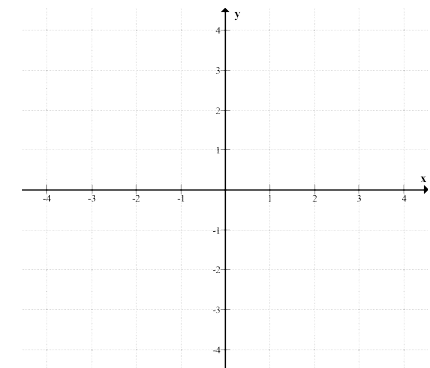
$y = 2x - 4$

$y = x^2$

$y = \dfrac{x}{x+2}$

$y = (x+2)^2 - 4$