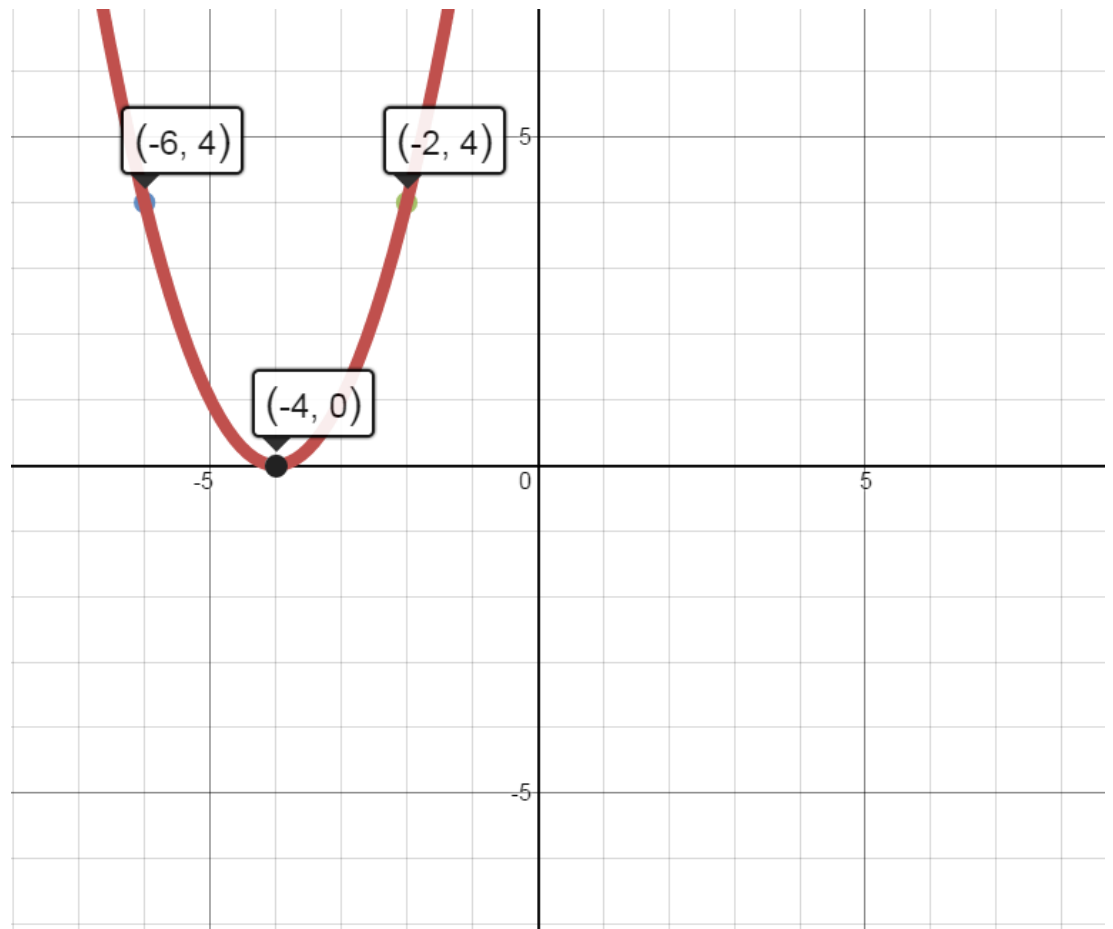
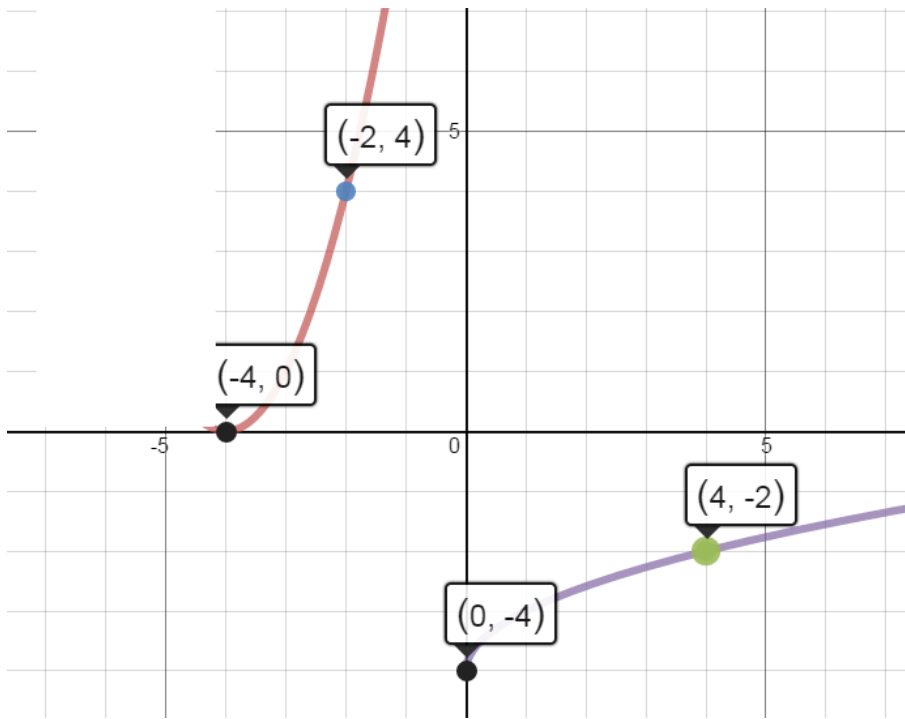


Warm Up

Sketch the graph here in your notes and graph its inverse, then respond to the prompts below:

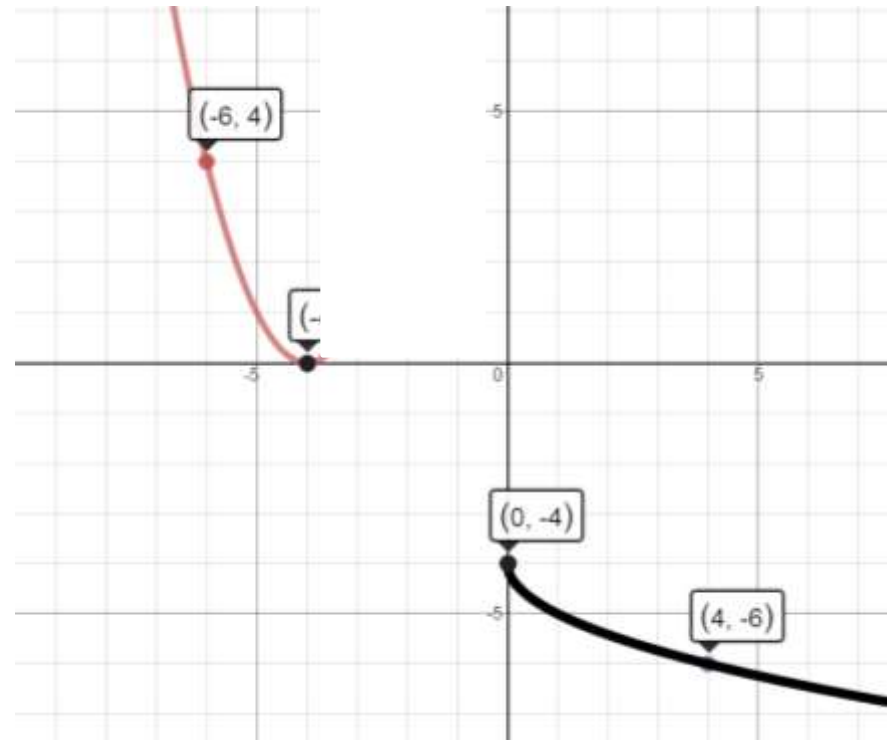
- Is the inverse a function itself? How do you know?
- How can you restrict the domain of the original function to make the inverse a function?





$$f(x) = (x + 4)^2$$

$$x \geq -4$$



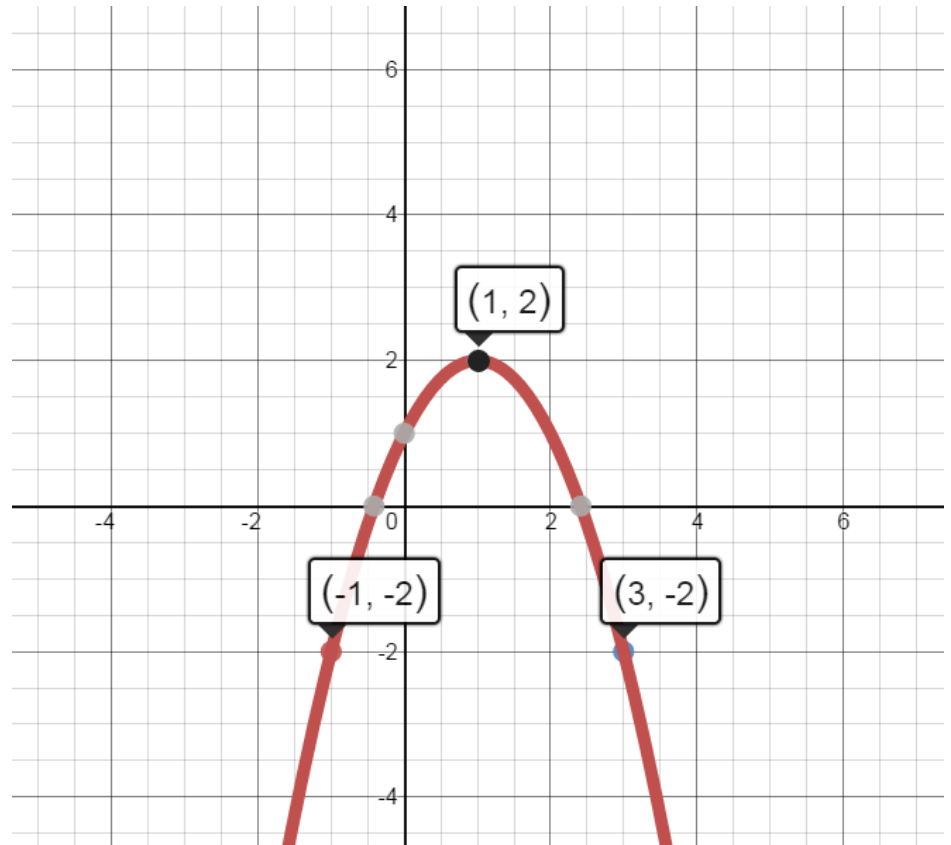
$$f(x) = (x + 4)^2$$

$$x \leq -4$$

Quick Practice

Sketch the graph here, then...

- identify the function;
- graph its inverse;
- determine whether the inverse is a function and give a reason;
- and restrict the domain of the original function in two different ways to make the inverse a function.



$$f(x) = 2 - (x - 1)^2$$

