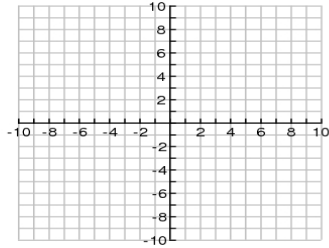Math 11 – Inverse Functions Worksheet

Name: _____

Quadratic, Square Root Functions
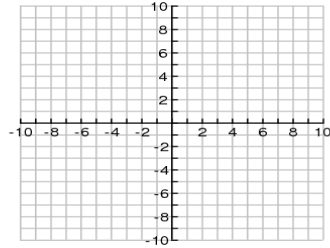
Date: _____

Find the inverse of each function. Graph and **label** the function and its inverse. State the domain and range of each function and its inverse. Determine whether the inverse is a function.
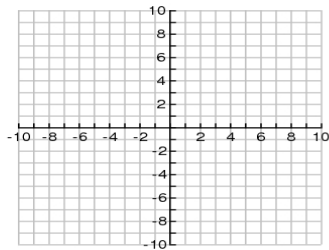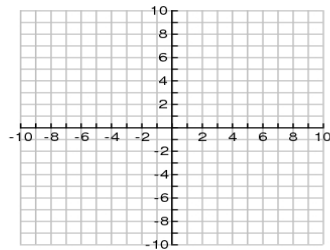
1) $f(x) = (x-1)^2$

2) $f(x) = x^2 - 3$
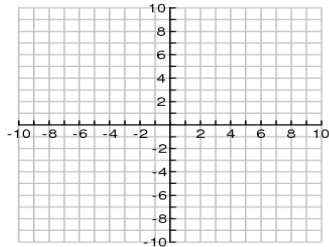
3) $f(x) = x^2 + 4, \quad x \geq 0$

4) $y = (x+5)^2, \quad x \leq -5$

5) $f(x) = \sqrt{x+3}$

6) $y = -\sqrt{x} + 2$