Inverse of Quadratic Function

Version 1

Name: _____ **Date**: _____ **Score**: _____

Direction: Find the inverse of each quadratic function. Show all your work in the space provided.

1) $f(x) = x^2 - 2 \ \ for \ \ x < 0$

2) $f(x) = -x^2 - 2 \ \ for \ \ x \geq 0$

3) $f(x) = x^2 + 6x + 4 \ \ for \ \ x < -3$

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1) $f(x) = x^2 - 2 \ \ for \ \ x < 0$

$f^{-1}(x) = -\sqrt{x+2} \ \ for \ \ x > -2$

2) $f(x) = -x^2 - 2 \ \ for \ \ x \geq 0$

$f^{-1}(x) = \sqrt{-x-2} \ \ for \ \ x \leq -2$

3) $f(x) = x^2 + 6x + 4 \ \ for \ \ x < -3$

$f^{-1}(x) = -3 - \sqrt{x+5} \ \ for \ \ x > -5$