Inverse of Quadratic Function

Version 2

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

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

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

2) $f(x)=-(x+1)^2$ *for* $x>-1$

3) $f(x)=x^2-2x-5$ *for* $x>1$

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

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

$f^{-1}(x)=1-\sqrt{x}$ *for* $x>0$

2) $f(x)=-(x+1)^2$ *for* $x>-1$

$f^{-1}(x)=\sqrt{-x}-1$ *for* $x<0$

3) $f(x)=x^2-2x-5$ *for* $x>1$

$f^{-1}(x)=\sqrt{x+6}+1$ *for* $x>-6$