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Inverse of a Quadratic Graph
To invert a graph, you must first identify the most important points on the original quadratic:

1. The vertex
2. The $x$-intercept(s)
3 . The $y$-intercept \& its mirrored point

Once you have these points in the $x y$ table, simply switch the $x$-value and the $y$-value (do not change the numbers or negatives - just switch the sides of the table), and graph the new points. If you graphed them correctly, each point will be reflected over the line $y=x$.

1.


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| The original function: <br> $f(x)$ | Vertex: | $x$-intercept(s): | $y$-intercept: |
| :---: | :--- | :--- | :--- |
| The inverse function: <br> $f^{-1}(x)$ | Inverted Vertex: | $y$-intercept(s): | $x$-intercept: |





