

Inverse Functions and Restricted Domains: Practice Independently



Name: _____ Date: _____

Use the material to work through each task. Show the requested response.

Reverse the mapping

An inverse reverses a one-to-one function's mapping. For $f(x) = 2x + 3$, the inverse is $(x - 3)/2$. The rule x^2 requires a restricted domain to have an inverse function.

1. Find the inverse of $g(x) = 3x - 6$.

2. Evaluate $g^{-1}(g(5))$.
