

Inverse Functions and Restricted Domains: Explore and Explain



Name: _____ Date: _____

Explore the material. Talk through your reasoning with suitable support.

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. For $f(x) = 2x + 3$, find $f(4)$.

2. For its inverse, find $f^{-1}(11)$.
