

Algebra II
Formative Ticket # 8
September 28, 2020

Standards

MGSE9-12.F.BF.4 (Inverse functions)

MGSE9-12.F.BF.4a ($f(x)=c$ & inverse)

MGSE9-12.F.BF.4c (Values of inverse function from graph or table)

- K1: I can read values of an inverse function from a graph or table.

Target(s): Finding Inverse Functions Algebraically; Finding Inverse Values from a Table

Finding Inverse Functions Algebraically and Finding Inverse Values from Tables

Find the inverse of each function.

9) $h(x) = \sqrt[3]{x} - 3$

10) $g(x) = \frac{1}{x} - 2$

11) $h(x) = 2x^3 + 3$

12) $g(x) = -4x + 1$

13) $g(x) = \frac{7x + 18}{2}$

14) $f(x) = x + 3$

15) $f(x) = -x + 3$

16) $f(x) = 4x$

The function $f(x)$ is invertible. Find $f^{-1}(-5)$.

x	$f(x)$
-5	5
0	0
5	-5
10	-10
15	-15

$f^{-1}(-5) = \square$

The function $f(x)$ is invertible. Find $f^{-1}(35)$.

x	$f(x)$
8	35
9	40
10	45
11	50
12	55

$f^{-1}(35) = \square$