

Name _____
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Algebra II



Finding the Inverse of a Function Algebraically

1. What is the inverse of the function $y = 2x - 3$?

2. Find the inverse of $y = 3x + 2$.

3. If $f(x) = 5x - 7$, find $f^{-1}(x)$

4. What is $g^{-1}(x)$ if $g(x) = 3x + 6$

5. What is the inverse of $y = \frac{1}{2}x + 2$?

6. If $f(x) = x^2$, find $f^{-1}(x)$

7. What is $h^{-1}(x)$ if $h(x) = x^2 + 2$

8. Given $f(x) = \frac{2}{3}x + 6$, write the equation of $f^{-1}(x)$.

9. What is the inverse of the function $y = 4x + 5$?

10. What is the inverse of $f(x) = -6(x - 2)$?