Inverse Functions (B)





Section A

Evaluate the inverse functions.

Functions	Solution
1) f(x) = x + 7	f ⁻¹ (10) =
2) $f(x) = 4x - \frac{3}{4}$	f-1(-1) =
3) $f(x) = 2 + \frac{x}{2}$	f ⁻¹ (36) =
4) $f(x) = \frac{3x-1}{2}$	f ⁻¹ (5) =
5) f(x) = 2x ²	f ⁻¹ (7) =
$6) f(x) = \sqrt{\frac{x^2}{4}}$	f ⁻¹ ([]) = 18
7) f(x) = 10 + 5x ²	f ⁻¹ (□) = √2
8) f(x) = √x + 7	ff ⁻¹ (2) =
9) $f(x) = \frac{3}{x+8}$	f-1f(-4) =

Section B

1) Let $f(x) = \frac{1-2x}{3x+5}$. Solve the equation $f^{-1}(x) = 3$.

2) When $f(x) = 4x^2 + 8x - 7$, x > 0, find $f^{-1}(x + 1)$.

Lesson 7 2 Inverses Of Relations And Functions Worksheet

Phillip E. Duren

Lesson 7 2 Inverses Of Relations And Functions Worksheet: Algebra and Trigonometry Phillip E. Duren,1992

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