

OPERATIONS WITH FUNCTIONS

Adding Functions

$$(f+g)(x) = f(x) + g(x)$$

Subtracting Functions

$$(f-g)(x) = f(x) - g(x)$$

Multiplying Functions

$$(f \cdot g)(x) = [f(x)][g(x)]$$

Dividing Functions

$$(f/g)(x) = f(x)/g(x)$$

Let $f(x) = x - 5$ and $g(x) = x^2 - 2x - 15$.

Adding Functions

$$(f+g)(x) = f(x) + g(x)$$

Find $(f+g)(x)$.

Let $f(x) = x - 5$ and $g(x) = x^2 - 2x - 15$.

Multiplying Functions

$$(f \cdot g)(x) = [f(x)][g(x)]$$

Find $(f \cdot g)(x)$.

Subtracting Functions

$$(f-g)(x) = f(x) - g(x)$$

Find $(g-f)(x)$

Dividing Functions

$$(f/g)(x) = f(x)/g(x)$$

Find $(f/g)(x)$.