

17.1 – Adding & Subtracting Functions

Function Operations	
Addition	$(f + g)(x) = f(x) + g(x)$
Subtraction	$(f - g)(x) = f(x) - g(x)$

Examples:

1. Let $f(x) = 3x + 8$ and $g(x) = 2x - 12$.

$$(f + g)(x) = \underline{\hspace{4cm}}$$

$$(f - g)(x) = \underline{\hspace{4cm}}$$

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

$$(g + f)(x) = \underline{\hspace{4cm}}$$

$$(g - f)(x) = \underline{\hspace{4cm}}$$