

17.2 – Multiplying & Dividing Functions

Function Operations	
Multiplication	$(f \cdot g)(x) = f(x) \cdot g(x)$
Division	$\left(\frac{f}{g}\right)(x) = \frac{f(x)}{g(x)}, g(x) \neq 0$

Examples:

1. Let $f(x) = x^2$ and $g(x) = x + 1$.

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

$$\left(\frac{f}{g}\right)(x) = \underline{\hspace{4cm}}$$

2. Let $f(x) = 7x - 5$ and $g(x) = 2x$.

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

$$\left(\frac{f}{g}\right)(x) = \underline{\hspace{4cm}}$$