

5-1 Skills Practice

Operations with Functions

Let $f(x) = x + 5$ and $g(x) = x - 4$.

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

2. Find $(f - g)(x)$.

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

4. Find $\left(\frac{f}{g}\right)(x)$.

Let $f(x) = x^2$ and $g(x) = 4 - x$.

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

6. Find $(f - g)(x)$.

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

8. Find $\left(\frac{f}{g}\right)(x)$.

Let $f(x) = 3x^2$ and $g(x) = \frac{5}{x}$.

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

10. Find $(f - g)(x)$.

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

12. Find $\left(\frac{f}{g}\right)(x)$.