

17.1 – Adding & Subtracting Functions1. Let $f(x) = 2x - 2$ and $g(x) = x - 3$.

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

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

2. Let $f(x) = 3x - 2$ and $g(x) = 2x + 4$.

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

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

3. Let $f(x) = 3x + 4$ and $g(x) = 3x$.

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

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

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

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

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

5. Let $f(x) = 4x - 5$ and $g(x) = 2x - 5$.

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

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

6. Let $f(x) = x^2 + 4$ and $g(x) = 4x + 1$.

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

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

7. Let $f(x) = x^3 + 5x^2$ and $g(x) = 2x + 5$.

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

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

8. Let $f(x) = x^2 - 3x$ and $g(x) = 4x + 5$.

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

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