

Ops & Composition

Arithmetic

1. $f(x) = -5x - 4, g(x) = 6x - 7, f + g$

2. $g(x) = 3x - 5, h(x) = x + 2, (h - g)(x)$

3. $f(x) = 2x^2 + x - 3, g(x) = x - 1, f \cdot g$

4. $f(x) = -5x + 3, g(x) = 6x - 2, f \cdot g$

5. $f(x) = x, g(x) = x + 1, \frac{f}{g}$

6. $f(x) = x^2, g(x) = 2x, \frac{f}{g}$

7. $f(x) = x^2 + x - 2, g(x) = 2x - 4, (f + g)(x)$

8. $f(x) = x - 3, g(x) = 2x - 4, (f + g)(x)$

9. $g(x) = x - 2, h(x) = 3x - 4, (h + g)(x)$

10. $f(x) = 4x - 8, g(x) = x - 5, f + g$

Answers

Ops & Composition

Arithmetic

1. $x - 11$

2. $-2x + 7$

3. $2x^3 - x^2 - 4x + 3$

4. $-30x^2 + 28x - 6$

5. $\frac{x}{x+1}$

6. $\frac{x}{2}$

7. $x^2 + 3x - 6$

8. $3x - 7$

9. $4x - 6$

10. $5x - 13$