

Algebra 2 Hwk #5 Sec 7-6 Fall 2018 Name:

Use the following functions:

$$f(x) = 8x + 6 \quad g(x) = 4x - 1 \quad h(x) = 2x \quad k(x) = x^2 - 9 \quad m(x) = x - 3 \quad p(x) = x^2 + 4x + 3$$

Perform each function operation. Simplify and state the domain of each.

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

Domain :

2. $(p - k)(x) =$

Domain :

3. $(k \cdot m)(x) =$

Domain :

4. $(f \cdot p)(x) =$

Domain :

5. $\frac{h(x)}{f(x)} =$

Domain :

6. $\frac{p(x)}{m(x)} =$

Domain :