

$$f(x) = x + 2$$

$$g(x) = -2x$$

$$h(x) = 5x + 1$$

$$a(x) = x^2 - 2$$

$$b(x) = 3x^2 + 7x$$

$$c(x) = 7x^2 - 1$$

Find each of the following. Show your work.

1. $(a+c)(x) =$

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

3. $(b+c)(x) =$

4. $(c-b)(x) =$

5. $(hg)(x) =$

6. $(fh)(x) =$

7. $\left(\frac{a}{f}\right)(x) =$

8. $\left(\frac{c}{f}\right)(x) =$

1. $(a+a)(x)=$

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

3. $(b+g)(x)=$

4. $(c-a)(x)=$

5. $(af)(x)=$

6. $(cb)(x)=$

7. $\left(\frac{b}{a}\right)(x)=$

8. $\left(\frac{c}{g}\right)(x)=$