**Secondary Math I** Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

8 – 2 Evaluating and Operations Homework Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class:\_\_\_\_\_\_\_\_\_\_

If f(x) = 4x + 2 and g(x) = x2 + 7, find each value:

1. f(4) 2. f(-2)

For 4 – 7 combine like terms to the simplest form.

3. b2 +13b + 3b + 4 4. 7a + 4 – 6a2 – 2a

Find (f + g)(x) for the following functions

5. f(x) = 2x2 + 3x – 4, g(x) = 5x2 + 7 6. b. f(x) = 3x – 1, g(x) = 8x + 5

Find (f - g)(x) for the following functions

7. f(x) = 2x2 + 3x – 4, g(x) = 5x2 + 7 8. b. f(x) = 3x – 1, g(x) = 8x + 5

Findfor the following functions

9. 2x2 + 3x – 4, g(x) = 5x2 + 7

Findfor the following functions

10. 2x2 + 3x – 4, g(x) = 5x2 + 7