**WS 4-3** Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class:\_\_\_\_\_\_\_\_\_\_

If f(x) = 5x + 3 and g(x) = x2 – 2, find each value:

1. f(4) 2. f(-2) 3. g(3)

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

4. b2 +13b + 2b + 3 5. 7a + 4 – 6a2 – 2a

6. 3k – 4 + 2k2 7. 3u + 4u - 7

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

8. f(x) = x2 + 2x – 3, g(x) = 3x2 + 7 9. b. f(x) = 5x – 2, g(x) = 8x + 5

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

10. f(x) = x2 + 2x – 3, g(x) = 3x2 + 7 11. b. f(x) = 5x – 2, g(x) = 8x + 5

Findfor the following functions

12. f(x) = x2 + 2x – 3, g(x) = 3x2 + 7 13. b. f(x) = 5x – 2, g(x) = 8x + 5

Findfor the following functions

14. f(x) = x2 + 2x – 3, g(x) = 3x2 + 7 15. b. f(x) = 5x – 2, g(x) = 8x + 5