Name:

Algebra

Section 8.7

**Find the range of each function**

1. f(x) = 3x – 4 D = {1, 2, 3} 2. f(x) = 1 – 2y D = {-3, 0, 1}

3. f(x) = b2 + 3 D = {0, 2, 4} 4. f(x) = x2 + 5x + 2 D = {-1, -2, -4}

5. f(x) = a2 – 3a – 2 D = {-2, -1, 0}

6. f(x) = x3 – 5x2 + 6x D = {0, 2, 3}

**Find the values for each given function with the set of real numbers as the domain**

7. f(x) = 5x – 9 a. f(3) b. f(-3) c. f(-8)

8. f(x) = 8 – 4x a. f(2) b. f(0) c. f(-2)

9. f(x) = t + 1 a. f(3) b. f(-2) c. f(-5)

10. f(x) = n – 2 a. f(0) b. f(2) c. f(-3)

11. f(x) = 3a2 - 2 a. f(4) b. f(-5) c. f(0)

12. f(x) = 3t3 + 9 a. f(5) b. f(-2) c. f(-3)

13. f(x) = x2 – 2 a. f(5) b. f(-5) c. f(0)

14. f(x) = 3y2 + 2 a. f(2) b. f(-2) c. f(-4)

15. f(x) = y3 + 8 a. f(0) b. f(-2) c. f(2)

16. f(x) = t3 – 27 a. f(3) b. f(-3) c. f(0)