Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Core: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Use substitution to evaluate each expression. (Substitution is replacing the variable with the value giving.)

1. 4(a + b) Evaluate when a = 2 and b = 6: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. 3m + 6n Evaluate when m = 10 and n = 8:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. (f + 9)1 + 5(x2) Evaluate when f = 3 and x = 2: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4. 5e + 2f Evaluate when e = 3.4 and f = 4.1: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5. a(3 + 9) + b2 + c3 Evaluate when a = 3, b = 6 and c = 2: \_\_\_\_\_\_\_\_\_\_\_\_\_

6. (x + y)3 + xy Evaluate when x = 2 and y = 4: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7. 5e + 5f Evaluate when e = 2 and f = 3: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

8. 4h + 8b Evaluate when h = 8.1 and b = 2.3: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

9. (3 + 7)k + 40 + 114 + 5w Evaluate when k = 1 and w = 2: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

10. xyz + 4xz Evaluate when x = 2, y = 5 and z = 3: \_\_\_\_\_\_\_\_\_\_\_\_