Algebra 1 Name:

Chapter 4 Practice Make Up Test (50 pts.) Block:

Simplify:

1. a2 • a5 • a6 • a

2. (2x7)(5x8)

3. (2a)(4a4) + (a4)(6a)

4. 

5. 

6. (5a)(8a2)3

7. 3x(5x – 7) + 9x(x – 2)

Solve:

8. (a – 5)(a + 4) = a2 + 4a + 15

9. Solve for the stated variable: S = da ; a.

10. Ryan made a rectangular fish pond that was twice as long as it is wide. The pond is surrounded by a brick walk 2 m wide on each side. He had enough bricks for the area of the walk to be 76 m2. Find the dimensions of the pond.