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

Math 1 – Multiplying Polynomials

**Simplify**

1) x(x + 3) 2) 4x(2x2 + 3) 3) -3c2d2(6cd2 – 3) 4) 2y(2y2 – 6y + 1)

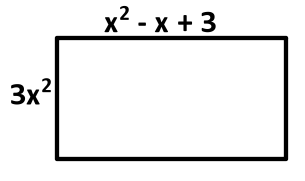
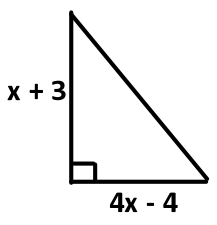
5) x3y2(2x2y2 + 5xy – 4) 6) 4xy(3x – 2) 7) 3a2b(3ab2 + 2ab – 1)

8) (2x + 4)(2x + 1) 9) (x – 2)(x + 3) 10) (3x + 5)(4x – 4)

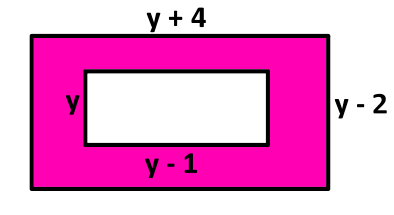
11) (a – 8)2 12) (3y + 2)2 13) (x + 3)(2x2 + 4x +5)

14) (x + 7)2 15) (x + 2)(x - 2) 16) (6x + 1)(6x – 1)

**Find the area of the given figures.**

17) 18) 19) The side of a square is 2 more than

3 times a number x.



20) Find the area of the shaded region.

**Divide**

21) 22) 23)