

Assignment 6: Multiplying Polynomials

Date _____ Period _____

Find each product.

1) $(5x - 5)(-x + 4)$

2) $(7x + 1)(4x + 4)$

3) $(-8n - 8)(-n - 5)$

4) $(4m - 2)(8m - 2)$

5) $(-8p + 3)(7p - 6)$

6) $(-8n + 5)(6n - 7)$

7) $(-4x + 6)(7x - 6)$

8) $(-4m + 2)(-3m + 6)$

9) $(7r - 4)(r - 7)$

10) $(-4x + 5)^2$

11) $(-7n - 5)(-8n - 6)$

12) $(5b + 7)(3b - 4)$

13) $(-5v + 3)(-8v - 3)$

14) $(4x - 8)(2x - 5)$

15) $(-8x - 2)(-7x + 8)$

16) $(a - 1)^2$

17) $(6p + 3)(6p - 3)$

18) $(2k^2 - 1)^2$

19) $(3x - 2)(3x + 2)$

20) $(2n + 2)(2n - 2)$

Assignment 6: Multiplying Polynomials

Date _____ Period _____

Find each product.

$$1) (5x - 5)(-x + 4)$$

$$-5x^2 + 25x - 20$$

$$2) (7x + 1)(4x + 4)$$

$$28x^2 + 32x + 4$$

$$3) (-8n - 8)(-n - 5)$$

$$8n^2 + 48n + 40$$

$$4) (4m - 2)(8m - 2)$$

$$32m^2 - 24m + 4$$

$$5) (-8p + 3)(7p - 6)$$

$$-56p^2 + 69p - 18$$

$$6) (-8n + 5)(6n - 7)$$

$$-48n^2 + 86n - 35$$

$$7) (-4x + 6)(7x - 6)$$

$$-28x^2 + 66x - 36$$

$$8) (-4m + 2)(-3m + 6)$$

$$12m^2 - 30m + 12$$

$$9) (7r - 4)(r - 7)$$

$$7r^2 - 53r + 28$$

$$10) (-4x + 5)^2$$

$$16x^2 - 40x + 25$$

$$11) (-7n - 5)(-8n - 6)$$

$$56n^2 + 82n + 30$$

$$12) (5b + 7)(3b - 4)$$

$$15b^2 + b - 28$$

$$13) (-5v + 3)(-8v - 3)$$

$$40v^2 - 9v - 9$$

$$14) (4x - 8)(2x - 5)$$

$$8x^2 - 36x + 40$$

$$15) (-8x - 2)(-7x + 8)$$

$$56x^2 - 50x - 16$$

$$16) (a - 1)^2$$

$$a^2 - 2a + 1$$

$$17) (6p + 3)(6p - 3)$$

$$36p^2 - 9$$

$$18) (2k^2 - 1)^2$$

$$4k^4 - 4k^2 + 1$$

$$19) (3x - 2)(3x + 2)$$

$$9x^2 - 4$$

$$20) (2n + 2)(2n - 2)$$

$$4n^2 - 4$$