

## **Multiplying Binomial** Assignment

Find the product of the following binomials

1.  $(x + 3)(x + 2)$

2.  $(x + 5)(2x + 4)$

3.  $(x + y)(2x + 4y)$

4.  $(6y + 2)(y - 9)$

5.  $(2x - y)(12x + y)$

6.  $(2 - 9y)(3 + 14y)$

7.  $(x + 1)(x - 1)$

8.  $(x + 9)(x - 9)$

9.  $(x - 2)(x - 2)$

10.  $(2x - 3)(2x + 3)$

Name: \_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_

## **Multiplying Binomial** Assignment

11.  $(2a + 3b)(a - b)$

12.  $(a + b)(a - b)$

13.  $(2x + 4y)(2x - 4y)$

14.  $(10x - 3y)(10x - 3y)$

15.  $(2x + 4y)(2x + 4y)$

16.  $(6z - 9)(3z - 10)$

17.  $(6xy - 3x)(2xy + 4z)$

18.  $(1 - 2b)(5a - 6)$

19.  $(4b + 3)(-2 + 7b)$

20.  $(6r - 2p)(6r + 2p)$

# Multiplying Binomial Assignment

Answer:

Find the product of the following binomials

1.  $(x + 3)(x + 2)$   
 $x^2 + 5x + 6$

3.  $(x + y)(2x + 4y)$   
 $2x^2 + 6xy + 4y^2$

5.  $(2x - y)(12x + y)$   
 $24x^2 - 10xy - y^2$

7.  $(x + 1)(x - 1)$   
 $x^2 - 1$

9.  $(x - 2)(x - 2)$   
 $x^2 - 4x + 4$

11.  $(2a + 3b)(a - b)$   
 $2a^2 + ab - 3b^2$

13.  $(2x + 4y)(2x - 4y)$   
 $4x^2 - 16y^2$

15.  $(2x + 4y)(2x + 4y)$   
 $4x^2 + 16xy + 16y^2$

17.  $(6xy - 3x)(2xy + 4z)$   
 $12x^2y^2 - 6x^2y + 24xyz - 12xz$

19.  $(4b + 3)(-2 + 7b)$   
 $13b + 28b^2 - 6$

2.  $(x + 5)(2x + 4)$   
 $x^2 + 14x + 20$

4.  $(6y + 2)(y - 9)$   
 $6y^2 - 52y - 18$

6.  $(2 - 9y)(3 + 14y)$   
 $6 + y - 126y^2$

8.  $(x + 9)(x - 9)$   
 $x^2 - 81$

10.  $(2x - 3)(2x + 3)$   
 $4x^2 - 9$

12.  $(a + b)(a - b)$   
 $a^2 - b^2$

14.  $(10x - 3y)(10x - 3y)$   
 $100x^2 - 60xy + 9y^2$

16.  $(6z - 9)(3z - 10)$   
 $18z^2 - 87z + 90$

18.  $(1 - 2b)(5a - 6)$   
 $5a - 6 - 10ab + 12b$

20.  $(6r - 2p)(6r + 2p)$   
 $36r^2 - 4p^2$