

## Expanding Polynomials

Date \_\_\_\_\_

**Find each product.**

1)  $7(2x + 2)$

2)  $5x(7x + 5)$

3)  $5(2m + 3)$

4)  $8x(2x - 1)$

5)  $8(3x + 2)$

6)  $4m(6m - 8)$

7)  $(7n + 3)(3n - 5)$

8)  $(4b + 7)(2b + 8)$

9)  $(2x - 3)(6x - 2)$

10)  $(7k + 3)(8k + 3)$

11)  $(2x - 5)(x - 2)$

12)  $10(3p - 3)(7p - 1)$

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

14)  $(5v - 2)(7v + 6)$

$$15) 2(5a + 4)(4a + 2)$$

$$16) (4k - 8)(2k - 1)$$

$$17) (8k + 4)(8k - 4)$$

$$18) (8n + 3)^2$$

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

$$20) -3(7x + 2)(7x - 2)$$

$$21) (7a + 6)(7a - 6)$$

$$22) (3n - 5)^2$$

$$23) (12k - 2)(7k + 10)$$

$$24) (12v - 5)(6v + 3)$$

$$25) (8x + 8)(3x + 2)$$

$$26) (5x + 12)(11x - 10)$$

$$27) (8b - 8)(11b + 5)$$

$$28) (7n + 2)(2n - 12)$$

$$29) 5(4m - 4)(2m + 9)$$

$$30) (12p + 8)(10p + 7)$$

$$31) (5k - 2)(k + 5)$$

$$32) (4x - 2)(3x - 3)$$

$$33) (13v - 11)(13v + 3)$$

$$34) (2x + 5)(5x - 5)$$

$$35) (13n - 13)(16n - 2)$$

$$36) -2(p + 5)(17p - 5)$$

$$37) (19n - 14)(9n - 16)$$

$$38) (13r + 16)(15r + 13)$$

$$39) (11n - 13)(n - 11)$$

$$40) (3a + 5)(2a - 4)$$

$$41) (7x + 7)(9x - 4)$$

$$42) (19n - 16)(2n - 19)$$

$$43) (2x - 4)(7x^2 + 5x - 8)$$

$$44) (2n - 6)(7n^2 - 8n - 2)$$

$$45) (4x + 6)(8x^2 + 5x + 2)$$

$$46) (4m - 4)(2m^2 + 2m - 2)$$

$$47) (6x^2 - 8x - 3)(7x^2 - 6x + 6)$$

$$48) (8x^2 + 4x - 2)(5x^2 - 2x - 6)$$

$$49) (8x^2 + 7x - 7)(3x^2 - 6x + 6)$$

$$50) (6n^2 + 4n - 8)(8n^2 - 4n + 5)$$