



Numbers, Relations &amp; Functions 10

Name \_\_\_\_\_

## Mutilpying Polynomials

Date \_\_\_\_\_

Find each product.

★ 1)  $5(6b + 3)$

★ 2)  $8(6r + 3)$

★ 3)  $2(8x + y)$

★ 4)  $5mn(3m + 2n)$

★ 5)  $7(x - 7y)$

★ 6)  $2mn(8m - 2n)$

7)  $(4x - 2y)(6x + 8y)$

8)  $(6x + 3y)(4x - 7y)$

$$24x^2 + 24xy - 12xy - 12y^2$$

9)  $(2x + 5y)(7x - 8y)$

10)  $(3x + 6y)(5x - 8y)$

11)  $(5x - 4y)(5x^2 - 4xy + 6y^2)$

12)  $(8x - 7y)(6x^2 + 8xy + 3y^2)$

13)  $(6a^2 - 2a - 3)(8a + 2)$

14)  $(2k^2 + 8k - 2)(7k + 4)$

15)  $(7a^2 - 2ab + 2b^2)(a^2 - 2ab - 8b^2)$

16)  $(x^2 - 4xy + 2y^2)(x^2 - 2xy - 7y^2)$