



**Find each product.**

1)  $(3.5a - 7.8b)(4.4a + 7.5b)$

2)  $(6.7a + 2.992b)(8.3a - 2.4b)$

3)  $(5.4m - 1.64n)(8.7m - 5.9n)$

4)  $(8x - 1.9y)(2.6x + 10y)$

5)  $(x - 0.89y)(8.5x + 5.9y)$

6)  $(0.23x - 5.1y)(8.8x + 2.4y)$

$$7) (7.3x - 4.5y)(7.3x + 6.1y)$$

$$8) (1.6x + 1.4y)(7.18x + 7.7y)$$

$$9) (8.5m + 9.3n)(5.66m - 8.9n)$$

$$10) (0.3x + 7.08y)(3.8x - 4.2y)$$

$$11) (2.78x + 8.1y)(4x + 4.1y)$$

$$12) (6.22x + 9.6y)(7.231x - 6y)$$

$$13) (6.6u - 7.5v)(6.2u + 2.3v)$$

$$14) (0.9x - 1.6y)(4.4x + 5.3y)$$

$$15) (3.4u + 5.58v)(4.2u - 7.7v)$$

$$16) (5.3a + 4.7b)(2.5a + 4.01b)$$

$$17) (8.78a + 2.6b)(5.2a - 6.88b)$$

$$18) (4x - 9y)(6.4x - 9.4y)$$

$$19) (7.2x + 0.284y)(9.72x + 5.8y)$$

$$20) (1.5m - 7.96n)(5.5m - 0.6n)$$

$$21) (0.2x - 4.2y)(9x + 1.4y)$$

$$22) (3.3x + 8y)(2.47x + 4.7y)$$

$$23) (4.6m + 1.7n)(7.2m + 3.9n)$$

$$24) (7.7x - 5.7y)(3.5x + 9.3y)$$

$$25) (6.5x + 0.1y)(1.6x - 7.9y)$$

$$26) (0.8x + 0.01y)(0.9x + 9.4y)$$

$$27) (5.2u - 1.07v)(9.92u + 8.1v)$$

$$28) (3.9x - 1.4y)(1.8x + 5.9y)$$

$$29) (7x - 8.8y)(8.1x + 5.4y)$$

$$30) (8.3u + 5v)(10u + 3v)$$

- 1)  $15.4a^2 - 8.07ab - 58.5b^2$       2)  $55.61a^2 + 8.7536ab - 7.1808b^2$   
 3)  $46.98m^2 - 46.128mn + 9.676n^2$       4)  $20.8x^2 + 75.06xy - 19y^2$   
 5)  $8.5x^2 - 1.665xy - 5.251y^2$       6)  $2.024x^2 - 44.328xy - 12.24y^2$   
 7)  $53.29x^2 + 11.68xy - 27.45y^2$       8)  $11.488x^2 + 22.372xy + 10.78y^2$   
 9)  $48.11m^2 - 23.012mn - 82.77n^2$       10)  $1.14x^2 + 25.644xy - 29.736y^2$   
 11)  $11.12x^2 + 43.798xy + 33.21y^2$       12)  $44.97682x^2 + 32.0976xy - 57.6y^2$   
 13)  $40.92u^2 - 31.32uv - 17.25v^2$       14)  $3.96x^2 - 2.27xy - 8.48y^2$   
 15)  $14.28u^2 - 2.744uv - 42.966v^2$       16)  $13.25a^2 + 33.003ab + 18.847b^2$   
 17)  $45.656a^2 - 46.8864ab - 17.888b^2$       18)  $25.6x^2 - 95.2xy + 84.6y^2$   
 19)  $69.984x^2 + 44.52048xy + 1.6472y^2$       20)  $8.25m^2 - 44.68mn + 4.776n^2$   
 21)  $1.8x^2 - 37.52xy - 5.88y^2$       22)  $8.151x^2 + 35.27xy + 37.6y^2$   
 23)  $33.12m^2 + 30.18mn + 6.63n^2$       24)  $26.95x^2 + 51.66xy - 53.01y^2$   
 25)  $10.4x^2 - 51.19xy - 0.79y^2$       26)  $0.72x^2 + 7.529xy + 0.094y^2$   
 27)  $51.584u^2 + 31.5056uv - 8.667v^2$       28)  $7.02x^2 + 20.49xy - 8.26y^2$   
 29)  $56.7x^2 - 33.48xy - 47.52y^2$       30)  $83u^2 + 74.9uv + 15v^2$