

### Cuadrado de un binomio

|                                                |  |                                                      |
|------------------------------------------------|--|------------------------------------------------------|
| $(2a+5b)^2=$                                   |  | $36a^2 - 60ab + 25b^2$                               |
| $(3a+4b)^2=$                                   |  | $\frac{25}{36}a^2 + \frac{5}{7}ab + \frac{9}{49}b^2$ |
| $(5a - 7b)^2=$                                 |  | $9a^2 + 24ab + 16b^2$                                |
| $(6a - 5b)^2=$                                 |  | $49 + 70a + 25a^2$                                   |
| $(-8a + 9b)^2 =$                               |  | $64a^2 - 144ab + 81b^2$                              |
| $(1.2a - 4b)^2=$                               |  | $10.24a^2 - 28.8ab + 20.25b^2$                       |
| $(7 + 5a)^2=$                                  |  | $4a^2 + 20ab + 25b^2$                                |
| $(a - 3b)^2 =$                                 |  | $a^2 - 6ab + 9b^2$                                   |
| $(3.2a - 4.5b)^2$                              |  | $1.44a^2 - 9.6ab + 16b^2$                            |
| $\left(\frac{5}{6}a + \frac{3}{7}b\right)^2 =$ |  | $25a^2 - 70ab + 49b^2$                               |

## Binomio con términos semejantes

|                                                                                |  |                                                 |
|--------------------------------------------------------------------------------|--|-------------------------------------------------|
| $(7a+2b)(11a+3b)=$                                                             |  | $48r^2+88rs-45s^2$                              |
| $(12r-5s)(4r+9s)=$                                                             |  | $30w^2+71w+42$                                  |
| $(6x-y)(8x-7y)=$                                                               |  | $8s^6+2s^3t^2-45t^4$                            |
| $(5w+6)(6w+7)=$                                                                |  | $28.81x^2-33.09x+9.5$                           |
| $(6x^2+2y)(2x^2+3y)=$                                                          |  | $\frac{3}{8}a^2+\frac{3}{10}ab-\frac{4}{15}b^2$ |
| $(2s^3+5t^2)(4s^3-9t^3)=$                                                      |  | $77a^2+43ab+6b^2$                               |
| $(2.4x+1.5)(3.5x+0.4)=$                                                        |  | $48x^2+34xy-7y^2$                               |
| $(6.7x-3.8)(4.3x-2.5)=$                                                        |  | $12x^4+22x^2y+6y^2$                             |
| $\left(\frac{2}{3}a+\frac{1}{2}\right)\left(\frac{4}{5}a+\frac{5}{6}\right)=$  |  | $8.4x^2+6.21x+0.6$                              |
| $\left(\frac{3}{4}a-\frac{2}{5}b\right)\left(\frac{1}{2}a+\frac{2}{3}b\right)$ |  | $\frac{8}{15}a^2+\frac{43}{45}a+\frac{5}{12}$   |

## Binomio conjugado

|                            |  |                   |
|----------------------------|--|-------------------|
| $(2x + 3y)(3x - 3y) =$     |  | $x^2 - 64y^2$     |
| $(3x + 4y)(3x - 4y) =$     |  | $4x^2 - 15y^2$    |
| $(2x - 5y)(2x + 5y) =$     |  | $49x^2 - 9y^2$    |
| $(5x - 6y)(5x + 6y) =$     |  | $100x^2 - 49y^2$  |
| $(7x + 3y)(7x - 3y) =$     |  | $4x^2 - 9y^2$     |
| $(8x - 11y)(8x + 11y) =$   |  | $25x^2 - 36y^2$   |
| $(9x - y)(9x + y) =$       |  | $144x^2 - 169y^2$ |
| $(x + 8y)(x - 8y) =$       |  | $64x^2 - 121y^2$  |
| $(12x + 13y)(12x - 13y) =$ |  | $81x^2 - y^2$     |
| $(10x - 7y)(10x + 7y) =$   |  | $9x^2 - 16y^2$    |