

1.  $(2x - 3y)^2 =$
2.  $(a + 3b)(a - 3b) =$
3.  $(x + 4)^2 =$
4.  $(3a + 4b)^2 =$
5.  $(5x - 6y)^2 =$
6.  $(4a - 2b)(4a + 2b) =$
7.  $(x + 2y)^2 + (3x - y)(3x + y) =$
8.  $4a^2 - (3a + 4b)^2 =$
9.  $(2x - 5y)(x + 3y) - (3x - y)^2 =$
10.  $3x(2x + y) + (x - 3y)(x + 3y) - (2x - 5)^2 =$

1.  $(2x - 3y)^2 = 4x^2 - 12xy + 9y^2$
2.  $(a + 3b)(a - 3b) = a^2 - 9b^2$
3.  $(x + 4)^2 = x^2 + 8x + 16$
4.  $(3a + 4b)^2 = 9a^2 + 24ab + 16b^2$
5.  $(5x - 6y)^2 = 25x^2 - 60xy + 36y^2$
6.  $(4a - 2b)(4a + 2b) = 16a^2 - 4b^2$
7.  $(x + 2y)^2 + (3x - y)(3x + y) =$   
 $x^2 + 4xy + 4y^2 + 9x^2 - y^2 = \underline{10x^2 + 4xy + 3y^2}$
8.  $4a^2 - (3a + 4b)^2 =$   
 $4a^2 - (9a^2 + 24ab + 16b^2) =$   
 $4a^2 - 9a^2 - 24ab - 16b^2 = \underline{-5a^2 - 24ab - 16b^2}$
9.  $(2x - 5y)(x + 3y) - (3x - y)^2 =$   
 $2x^2 + \underline{6xy} - \underline{5xy} - 15y^2 - (9x^2 - 6xy + y^2) =$   
 $2x^2 + 1xy - 15y^2 - 9x^2 + 6xy - y^2 = \underline{-7x^2 + 7xy - 16y^2}$
10.  $3x(2x + y) + (x - 3y)(x + 3y) - (2x - 5)^2 =$   
 $\underline{6x^2} + 3xy + \underline{x^2} - 9y^2 - (4x^2 - 20x + 25) =$   
 $7x^2 + 3xy - 9y^2 - 4x^2 + 20x - 25 = \underline{3x^2 + 3xy + 20x - 9y^2 - 25}$