Completa i seguenti prodotti notevoli, riportando la parte mancante nella casella a lato:

$(-y + 2a)(\quad) = y^2 - 4a^2$

$\boxed{-y - 2a}$

$(-3a - x)(\quad) = x^2 - 9a^2$

$\boxed{3a - x}$

$\boxed{2a^3 x}$

$(-5a^2 b + \quad)(\quad) = 4a^6 x^2 - 25\,a^4 b^2$

$\boxed{5a^2 b + 2a^3 x}$

$(\quad)\left(\dfrac{1}{2} + 2x\right) = 4x^2 - \dfrac{1}{4}$

$\boxed{2x - \dfrac{1}{2}}$

$\boxed{\dfrac{1}{3}b}$

$(a\quad)\left(\dfrac{1}{3}b\quad\right) = \dfrac{1}{9}b^2 - a^2$

$\boxed{-a}$

$\boxed{+9b^2}$

$a^2 + 6\,ab\quad = (a\quad)^2$

$\boxed{+3b}$

$\boxed{+\dfrac{1}{9}x^2 y^2}$

$9x^2 + 2x^2 y\quad = (3x\quad)^2$

$\boxed{+\dfrac{1}{3}xy}$

$x^{2n} + \dfrac{1}{4}x^2\quad = \left(x^n - \dfrac{1}{2}x\right)^2$

$\boxed{-x^{n+1}}$

$\boxed{+\dfrac{1}{4}x^6 y^4}$

$x^4 y^6 - x^5 y^5\quad = (x^2 y^3\quad)^2$

$\boxed{-\dfrac{1}{2}x^3 y^2}$

$x^4 + 2x^3 + 2x + 1\quad = (x^2 + x + 1)^2$

$\boxed{3x^2}$

$\boxed{+150\,a^2}$

$8a^6 - 60\,a^4 - 125\quad = (2a^2\quad)^3$

$\boxed{-5}$

$\boxed{-1}$

$(a\quad)^4 = a^4 - 4a^3 + 6a^2 + 1$

$\boxed{-4a}$

$\boxed{n + 1}$

$\left(a\quad - 1\right)^2 = a^{2n+2} + 1$

$\boxed{-2\,a^{n+1}}$