HW Ταυτότητες

$(\alpha+\beta)^2 = \alpha^2 + 2\alpha\beta + \beta^2$

$(\alpha-\beta)^2 = \alpha^2 - 2\alpha\beta + \beta^2$

$(\alpha-\beta)\cdot(\alpha+\beta) = \alpha^2 - \beta^2$

Όνομα:

Να βρείτε τα αναπτύγματα:

- $(x+4)^2 =$
- $(1-2x)^2 =$
- $(x^2+x)^2 =$
- $(x-y)\cdot(x+y) =$
- $\left(x+\frac{1}{x}\right)^2 =$
- $(2a-a^2)^2 =$
- $(3a^2\beta - 2a\beta^2)^2 =$
- $\left(3v-\frac{2}{v}\right)^2 =$
- $(x^2-2x)\cdot(x^2+2x) =$
- $(1+2x)\cdot(2x-1) =$

Να συμπληρώσετε τα κενά:

$(3\alpha + \_\_)^2 = \_\_ + \_\_ + 25\beta^2$

$(\_\_ - 2x)^2 = \_\_ - \_\_ + \_\_$

$\left(\frac{\alpha}{2} + \_\_\right)^2 = \_\_ + \alpha + \_\_$

$(x^2 - \_\_)\cdot(\_\_ + \_\_) = \_\_ - 9$

$(\_\_ + \_\_)^2 = y^2 + 3y + \_\_$

$(\_\_ - \_\_)^2 = 4x^2 - 28xy + \_\_$

$(\alpha - \_\_)^2 = \_\_ - \frac{3}{2}\alpha + \_\_$

$(\_\_ + \_\_)\cdot(2x - \_\_) = \_\_ - 3y^2$

$(-\alpha + \beta)^2 = \_\_ \_\_ \_\_ + \beta^2$