Factoriser à l'aide de l'identité remarquable
$a^2 - b^2 = (a - b)(a + b)$

Exercice : Factoriser les expressions suivantes.

$25x^2 - 100 =$

$4x^2 - 4 =$

$9x^2 - 49 =$

$81t^2 - 16 =$

$36y^2 - 25 =$

$4 - t^2 =$

$16 - 4u^2 =$

$25 - 25y^2 =$

$u^2 - 9 =$

$x^2 - 1 =$

$100u^2 - 36 =$

$49t^2 - 16 =$

$x^2 - 16 =$

$64 - 25x^2 =$

$4 - 9y^2 =$

$81 - x^2 =$

$9x^2 - 49 =$

$1 - y^2 =$

$y^2 - 100 =$

$100x^2 - 100 =$

Factoriser à l'aide de l'identité remarquable
$a^2 - b^2 = (a - b)(a + b)$

Correction

Exercice : Factoriser les expressions suivantes.

$25x^2 - 100 = (5x + 10)(5x - 10)$

$4x^2 - 4 = (2x + 2)(2x - 2)$

$9x^2 - 49 = (3x + 7)(3x - 7)$

$81t^2 - 16 = (9t + 4)(9t - 4)$

$36y^2 - 25 = (6y + 5)(6y - 5)$

$4 - t^2 = (2 + t)(2 - t)$

$16 - 4u^2 = (4 + 2u)(4 - 2u)$

$25 - 25y^2 = (5 + 5y)(5 - 5y)$

$u^2 - 9 = (u + 3)(u - 3)$

$x^2 - 1 = (x + 1)(x - 1)$

$100u^2 - 36 = (10u + 6)(10u - 6)$

$49t^2 - 16 = (7t + 4)(7t - 4)$

$x^2 - 16 = (x + 4)(x - 4)$

$64 - 25x^2 = (8 + 5x)(8 - 5x)$

$4 - 9y^2 = (2 + 3y)(2 - 3y)$

$81 - x^2 = (9 + x)(9 - x)$

$9x^2 - 49 = (3x + 7)(3x - 7)$

$1 - y^2 = (1 + y)(1 - y)$

$y^2 - 100 = (y + 10)(y - 10)$

$100x^2 - 100 = (10x + 10)(10x - 10)$