Air maths tuition

Interact, engage and perform

Factorising - Difference of 2 Squares

$$(a+b)(a-b) \equiv a^2 - ab + ab - b^2$$
$$\equiv a^2 - b^2$$

$$a^2 - b^2 \equiv (a+b)(a-b)$$

$x^2 - 9 \equiv (x+3)(x-3)$

$y^2 - 1 \equiv (y-1)(y+1)$

$16x^2 - 25y^2 \equiv (4x-5y)(4x+5y)$

$x^4 - 1 \equiv (x^2-1)(x^2+1)$
$\equiv (x-1)(x+1)(x^2+1)$

$2x^2 - 72 \equiv 2(x^2-36)$
$\equiv 2(x-6)(x+6)$

With the acknowledgement of Exam Solutions.
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Exam Solutions

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