WAY COOL Algebra

Squaring Practice

Evaluate.

1) 8^2

2) $(-7)^2$

3) 5^3

4) $(-2)^5$

5) $\left(\frac{1}{4}\right)^2$

6) $\left(\frac{3}{7}\right)^2$

7) $\left(\frac{4}{3}\right)^3$

Factoring PRACTICE

Factor.

1) $x^2 + x - 20$

2) $g^2 - 14g + 49$

3) $4x^2 + 20x + 25$

4) $4p^2 - 24p + 36$

Square Trinomials TRUTH

Perfect Square Trinomials

How can I turn a binomial into a perfect square trinomial?

1) $x^2 + 10x$ **2)** $x^2 - 18x$ **3)** $x^2 + 9x$

Square Trinomials

TRUTH

Perfect Square Trinomials

Given: $Ax^2 + Bx + C$

we can Complete the Square using this formula:

$$\left(\frac{B}{2}\right)^2$$

Square Trinomials

TRUTH

Perfect Square Trinomials

How can I turn a binomial into a perfect square trinomial?

1) x^2+10x 2) x^2-18x 3) x^2+9x

4) x^2+12x 5) x^2-5x

Create a Perfect Square Trinomial.

4) $x^2 + 12x$

5) $x^2 - 5x$

6) $x^2 + 7x$

7) $x^2 + \frac{2}{5}x$