# QUADRATIC EQUATIONS WITHOUT A LINEAR TERM

Solve:

**1** $x^2 - 1 = 0$ **2** $x^2 - 25 = 0$ **3** $x^2 - 49 = 0$ **4** $x^2 = 16$

(1) $x^2 = 1$ $x^2 = 25$ $x^2 = 49$ $x^2 = 16$

$x = \pm 1$ $x = \pm 5$ $x = \pm 7$ $x = \pm 4$

**10** $5x^2 - 5 = 0$ **11** $16x^2 - 1 = 0$ **12** $16 - x^2 = 0$ **13** $25x^2 = 49$

(10) $5x^2 = 5$ $16x^2 = 1$ $x^2 = 16$ $x^2 = \frac{49}{25}$

$x^2 = 1$ $x^2 = 1/16$ $x = \pm 4$ $x = \pm \frac{7}{5}$

$x = \pm 1$ $x = \pm 1/4$

# QUADRATIC EQUATIONS WITHOUT A LINEAR TERM

**15** $(x-2)^2 = 16$ **16** $5x^2 - 245 = 0$ **17** $7x^2 = 63$ **18** $(5x-1)^2 = 16$

(15) $x - 2 = \pm 4$

so $x = \pm 4 + 2$

So $x = 6$ or $x = -2$

(16) $5x^2 = 245$

$x^2 = 49$

$x = \pm 7$

(17) $x^2 = 9$ $x = \pm 3$

(18) $5x - 1 = \pm 4$

$5x = \pm 4 + 1$

$x = \dfrac{\pm 4 + 1}{5}$

So $x = 1$ or $x = -3/5$