

Quad formulae

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

$$1c) x^2 - 7x + 12 = 0$$

$$a \quad b \quad c$$

$$\frac{7 \pm \sqrt{(-7)^2 - 4(1)(12)}}{2(1)} =$$

$$\frac{7 \pm \sqrt{49 - 48}}{2} =$$

$$\frac{7 \pm 1}{2} =$$

$$x = 4 \text{ or } 3$$

$$(4)^2 - 7(4) + 12 =$$

$$16 - 28 + 12 = 0$$

$$x = 4$$