



Solving quadratics by completing the square

Example

$$x^2 - 6x + 2 = 0$$

$$(x - 3)^2 - 7 = 0$$

$$(x - 3)^2 = 7$$

$$x - 3 = \pm\sqrt{7}$$

$$x = 3 \pm\sqrt{7}$$

CTS ①

+7 ②

√ ③

+3 ④

Instructions

- Work in groups of 4.
- Complete one line of your problem before passing to the person on your left.
- Do this until you have completed all four steps to solve each problem as a group.