

4.3 Solve Quadratic Equations by Completing the Square

Solve a Quadratic Equation by Completing the Square

Ex. Solve $x^2 - 21 = -10x$ by completing the square. Express your answers to the nearest tenth.

Ex. Solve by completing the square. $2x^2 - 6x - 3 = 0$
Express your answers as exact values.

Example 2: Your Turn

Solve $p^2 - 4p = 11$ by completing the square. Express your answers to the nearest tenth.

Turn over

Ex. Solve each of the following by completing the square. Leave your answer as exact roots.

a) $3x^2 - 7x + 1 = 0$

b) $-3x^2 + 2x - 1 = 0$

Assign p. 240 - 241 #'s 1(ace), 4(ac), 5(abf)