

The Math Dawg: Exercises to Accompany “Solving Quadratic Equations By Completing the Square_Part 1”_1

DIRECTIONS: NO CALCULATOR. Solve these quadratic equation using the complete the square method. Put your answers in simplest radical form. SHOW ALL WORK.

1.

$$x^2 - 12x = -3$$

2.

$$x^2 - 20x - 3 = -7$$

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3.

$$x^2 - x - 4 = 7$$

4.

$$5x^2 - 4x + 9 = 21 + 2x + 4x^2$$