Math Skill Builder

A Collection of Daily Exercises

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The standard form of a quadratic equation is $ax^2 + bx + c = 0$. Identify the a, b and c for the following equations:

(1) $3x^2 - 2x + 4 = 0$

(2) $-5x^2 + 3 = 0$

(3) $9x^2 + x - 3 = 7$

(4) $x^2 - 2x + 3 = -x^2 - 3$

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Answer:

(1) $a = 3,\ b = -2,\ c = 4$

(2) $a = -5,\ b = 0,\ c = 3$

(3) $a = 9,\ b = 1,\ c = -10$

(4) $a = 2,\ b = -2,\ c = 6$

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(2) $-13x^2 - 15x + 6 = 2$

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Answer:

(1) $a = 4, \quad b = 11, \quad c = -1$

(2) $a = -13, \quad b = -15, \quad c = 4$