二次方程式 整理してから解く（16問）　版K

なまえ：＿＿＿＿＿＿＿＿＿＿＿＿　　日づけ：＿＿＿＿＿＿

(1) $6x^2 = -20x - 6$

(2) $15x^2 - 19x + 6 = 0$

(3) $15x^2 - 4x - 3 = 0$

(4) $20x^2 - 63x + 49 = 0$

(5) $12x^2 + 35x + 25 = 0$

(6) $(x - 6)(x + 2) = -9$

(7) $6x^2 = -11x + 10$

(8) $4x^2 - 4x - 7 = 0$

(9) $3x^2 = -3x + 6$

(10) $3x^2 - 6x + 2 = 0$

(11) $(x + 3)(x - 2) = 12$

(12) $8x^2 + 2x - 15 = 0$

(13) $5x^2 - 10x - 3 = 0$

(14) $(x - 3)(x - 3) = 12$

(15) $9x^2 = 3x + 20$

(16) $25x^2 - 1 = 0$

二次方程式 整理してから解く（16問）　版Kの答え

※ まず「～ = 0」の形に直したかを確認してください。

(1) $6x^2 = -20x - 6$
$x = -3, -1/3$

(2) $15x^2 - 19x + 6 = 0$
$x = 3/5, 2/3$

(3) $15x^2 - 4x - 3 = 0$
$x = -1/3, 3/5$

(4) $20x^2 - 63x + 49 = 0$
$x = 7/5, 7/4$

(5) $12x^2 + 35x + 25 = 0$
$x = -5/3, -5/4$

(6) $(x - 6)(x + 2) = -9$
$x = 2 \pm \sqrt{7}$

(7) $6x^2 = -11x + 10$
$x = -5/2, 2/3$

(8) $4x^2 - 4x - 7 = 0$
$x = (1 \pm 2\sqrt{2})/2$

(9) $3x^2 = -3x + 6$
$x = -2, 1$

(10) $3x^2 - 6x + 2 = 0$
$x = (3 \pm \sqrt{3})/3$

(11) $(x + 3)(x - 2) = 12$
$x = (-1 \pm \sqrt{73})/2$

(12) $8x^2 + 2x - 15 = 0$
$x = -3/2, 5/4$

(13) $5x^2 - 10x - 3 = 0$
$x = (5 \pm 2\sqrt{10})/5$

(14) $(x - 3)(x - 3) = 12$
$x = 3 \pm 2\sqrt{3}$

(15) $9x^2 = 3x + 20$
$x = -4/3, 5/3$

(16) $25x^2 - 1 = 0$
$x = -1/5, 1/5$