二次方程式 整理してから解く（16問）　版I

なまえ：＿＿＿＿＿＿＿＿＿＿＿＿　　日づけ：＿＿＿＿＿＿

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

(2) $(x - 6)(x + 1) = 5$

(3) $2x^2 + 15x + 25 = 0$

(4) $3x^2 = -10x - 3$

(5) $12x^2 - 13x - 35 = 0$

(6) $3x^2 - 10x + 4 = 0$

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

(8) $2x^2 - 6x + 1 = 0$

(9) $2x^2 - 11x - 6 = 0$

(10) $3x^2 = -7x + 6$

(11) $20x^2 - 13x - 15 = 0$

(12) $3x^2 + 13x - 30 = 0$

(13) $2x^2 = 4x + 6$

(14) $3x^2 = 13x - 12$

(15) $5x^2 + 2x - 1 = 0$

(16) $(x - 6)(x + 5) = 8$

二次方程式 整理してから解く（16問）　版Iの答え

※ まず「〜 = 0」の形に直したかを確認してください。

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

(2) $(x - 6)(x + 1) = 5$
$x = (5 \pm \sqrt{69})/2$

(3) $2x^2 + 15x + 25 = 0$
$x = -5, -5/2$

(4) $3x^2 = -10x - 3$
$x = -3, -1/3$

(5) $12x^2 - 13x - 35 = 0$
$x = -5/4, 7/3$

(6) $3x^2 - 10x + 4 = 0$
$x = (5 \pm \sqrt{13})/3$

(7) $(x - 2)(x + 2) = 6$
$x = \pm\sqrt{10}$

(8) $2x^2 - 6x + 1 = 0$
$x = (3 \pm \sqrt{7})/2$

(9) $2x^2 - 11x - 6 = 0$
$x = -1/2, 6$

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

(11) $20x^2 - 13x - 15 = 0$
$x = -3/5, 5/4$

(12) $3x^2 + 13x - 30 = 0$
$x = -6, 5/3$

(13) $2x^2 = 4x + 6$
$x = -1, 3$

(14) $3x^2 = 13x - 12$
$x = 4/3, 3$

(15) $5x^2 + 2x - 1 = 0$
$x = (-1 \pm \sqrt{6})/5$

(16) $(x - 6)(x + 5) = 8$
$x = (1 \pm 3\sqrt{17})/2$