二次方程式 整理してから解く（16問）　版E

なまえ：＿＿＿＿＿＿＿＿＿＿＿＿　　日づけ：＿＿＿＿＿＿

(1) $3x^2 + 8x - 7 = 0$

(2) $3x^2 + 8x - 5 = 0$

(3) $9x^2 = -3x + 30$

(4) $4x^2 + 12x - 7 = 0$

(5) $10x^2 - 23x - 5 = 0$

(6) $(x - 6)(x + 1) = 3$

(7) $2x^2 - 12x - 5 = 0$

(8) $10x^2 + 17x + 6 = 0$

(9) $15x^2 + 7x - 2 = 0$

(10) $3x^2 + 8x + 4 = 0$

(11) $(x + 2)(x + 1) = 5$

(12) $6x^2 = 21x - 15$

(13) $9x^2 = 3x + 6$

(14) $(x + 3)(x - 5) = -6$

(15) $10x^2 - 27x + 18 = 0$

(16) $3x^2 = -6x + 24$

二次方程式 整理してから解く（16問）　版Eの答え

※ まず「～ = 0」の形に直したかを確認してください。

(1) $3x^2 + 8x - 7 = 0$
$x = (-4 \pm \sqrt{37})/3$

(2) $3x^2 + 8x - 5 = 0$
$x = (-4 \pm \sqrt{31})/3$

(3) $9x^2 = -3x + 30$
$x = -2, 5/3$

(4) $4x^2 + 12x - 7 = 0$
$x = -7/2, 1/2$

(5) $10x^2 - 23x - 5 = 0$
$x = -1/5, 5/2$

(6) $(x - 6)(x + 1) = 3$
$x = (5 \pm \sqrt{61})/2$

(7) $2x^2 - 12x - 5 = 0$
$x = (6 \pm \sqrt{46})/2$

(8) $10x^2 + 17x + 6 = 0$
$x = -6/5, -1/2$

(9) $15x^2 + 7x - 2 = 0$
$x = -2/3, 1/5$

(10) $3x^2 + 8x + 4 = 0$
$x = -2, -2/3$

(11) $(x + 2)(x + 1) = 5$
$x = (-3 \pm \sqrt{21})/2$

(12) $6x^2 = 21x - 15$
$x = 1, 5/2$

(13) $9x^2 = 3x + 6$
$x = -2/3, 1$

(14) $(x + 3)(x - 5) = -6$
$x = 1 \pm \sqrt{10}$

(15) $10x^2 - 27x + 18 = 0$
$x = 6/5, 3/2$

(16) $3x^2 = -6x + 24$
$x = -4, 2$