二次方程式 整理してから解く（16問）　版O

なまえ：＿＿＿＿＿＿＿＿＿＿＿＿　　日づけ：＿＿＿＿＿＿

(1) $10x^2 - 37x + 30 = 0$

(2) $(x - 4)(x + 2) = 1$

(3) $4x^2 = -18x - 18$

(4) $3x^2 = -11x + 20$

(5) $3x^2 = -9x + 12$

(6) $4x^2 + 17x - 15 = 0$

(7) $9x^2 + 6x - 35 = 0$

(8) $2x^2 + 10x - 5 = 0$

(9) $4x^2 + 25x + 25 = 0$

(10) $4x^2 - 15x + 14 = 0$

(11) $3x^2 - 10x + 6 = 0$

(12) $9x^2 - 3x - 2 = 0$

(13) $3x^2 = -21x - 30$

(14) $(x - 1)(x - 4) = 9$

(15) $3x^2 - 2x - 6 = 0$

(16) $(x + 1)(x + 6) = 4$

二次方程式 整理してから解く（16問）　版Oの答え

※ まず「〜 = 0」の形に直したかを確認してください。

(1) $10x^2 - 37x + 30 = 0$
$x = 6/5, 5/2$

(2) $(x - 4)(x + 2) = 1$
$x = 1 \pm \sqrt{10}$

(3) $4x^2 = -18x - 18$
$x = -3, -3/2$

(4) $3x^2 = -11x + 20$
$x = -5, 4/3$

(5) $3x^2 = -9x + 12$
$x = -4, 1$

(6) $4x^2 + 17x - 15 = 0$
$x = -5, 3/4$

(7) $9x^2 + 6x - 35 = 0$
$x = -7/3, 5/3$

(8) $2x^2 + 10x - 5 = 0$
$x = (-5 \pm \sqrt{35})/2$

(9) $4x^2 + 25x + 25 = 0$
$x = -5, -5/4$

(10) $4x^2 - 15x + 14 = 0$
$x = 7/4, 2$

(11) $3x^2 - 10x + 6 = 0$
$x = (5 \pm \sqrt{7})/3$

(12) $9x^2 - 3x - 2 = 0$
$x = -1/3, 2/3$

(13) $3x^2 = -21x - 30$
$x = -5, -2$

(14) $(x - 1)(x - 4) = 9$
$x = (5 \pm 3\sqrt{5})/2$

(15) $3x^2 - 2x - 6 = 0$
$x = (1 \pm \sqrt{19})/3$

(16) $(x + 1)(x + 6) = 4$
$x = (-7 \pm \sqrt{41})/2$