二次方程式 整理してから解く（16問）　版A

なまえ：＿＿＿＿＿＿＿＿＿＿＿＿　　日づけ：＿＿＿＿＿＿

(1) $4x^2 + 27x - 7 = 0$

(2) $4x^2 + 12x + 5 = 0$

(3) $2x^2 - 12x - 7 = 0$

(4) $6x^2 = 7x - 2$

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

(6) $20x^2 - 39x + 7 = 0$

(7) $4x^2 = 8x + 12$

(8) $3x^2 = 4x - 1$

(9) $(x + 5)(x + 4) = 8$

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

(11) $5x^2 + 27x + 28 = 0$

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

(13) $4x^2 + 12x - 3 = 0$

(14) $6x^2 = -5x + 4$

(15) $5x^2 - 34x + 24 = 0$

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

二次方程式 整理してから解く（16問）　版Aの答え

※ まず「～ = 0」の形に直したかを確認してください。

(1) $4x^2 + 27x - 7 = 0$
$x = -7, 1/4$

(2) $4x^2 + 12x + 5 = 0$
$x = -5/2, -1/2$

(3) $2x^2 - 12x - 7 = 0$
$x = (6 \pm 5\sqrt{2})/2$

(4) $6x^2 = 7x - 2$
$x = 1/2, 2/3$

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

(6) $20x^2 - 39x + 7 = 0$
$x = 1/5, 7/4$

(7) $4x^2 = 8x + 12$
$x = -1, 3$

(8) $3x^2 = 4x - 1$
$x = 1/3, 1$

(9) $(x + 5)(x + 4) = 8$
$x = (-9 \pm \sqrt{33})/2$

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

(11) $5x^2 + 27x + 28 = 0$
$x = -4, -7/5$

(12) $2x^2 - 12x + 3 = 0$
$x = (6 \pm \sqrt{30})/2$

(13) $4x^2 + 12x - 3 = 0$
$x = (-3 \pm 2\sqrt{3})/2$

(14) $6x^2 = -5x + 4$
$x = -4/3, 1/2$

(15) $5x^2 - 34x + 24 = 0$
$x = 4/5, 6$

(16) $(x - 3)(x + 6) = 5$
$x = (-3 \pm \sqrt{101})/2$