二次方程式 整理してから解く（16問）　版G

なまえ：＿＿＿＿＿＿＿＿＿＿＿＿　　日づけ：＿＿＿＿＿＿

(1) $6x^2 - x - 35 = 0$

(2) $8x^2 + 10x - 7 = 0$

(3) $2x^2 - 3x - 20 = 0$

(4) $2x^2 + x - 21 = 0$

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

(6) $5x^2 - 12x - 9 = 0$

(7) $(x - 5)(x + 3) = -1$

(8) $x^2 = -7x - 12$

(9) $x^2 = -8x - 12$

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

(11) $(x + 4)(x + 1) = 10$

(12) $4x^2 - 6x + 1 = 0$

(13) $20x^2 + 11x - 4 = 0$

(14) $9x^2 = 3x + 2$

(15) $2x^2 = x + 6$

(16) $(x - 3)(x - 6) = 9$

二次方程式 整理してから解く（16問）　版Gの答え

※ まず「～ = 0」の形に直したかを確認してください。

(1) $6x^2 - x - 35 = 0$
$x = -7/3, 5/2$

(2) $8x^2 + 10x - 7 = 0$
$x = -7/4, 1/2$

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

(4) $2x^2 + x - 21 = 0$
$x = -7/2, 3$

(5) $2x^2 + 8x + 5 = 0$
$x = (-4 \pm \sqrt{6})/2$

(6) $5x^2 - 12x - 9 = 0$
$x = -3/5, 3$

(7) $(x - 5)(x + 3) = -1$
$x = 1 \pm \sqrt{15}$

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

(9) $x^2 = -8x - 12$
$x = -6, -2$

(10) $3x^2 + 6x - 4 = 0$
$x = (-3 \pm \sqrt{21})/3$

(11) $(x + 4)(x + 1) = 10$
$x = -6, 1$

(12) $4x^2 - 6x + 1 = 0$
$x = (3 \pm \sqrt{5})/4$

(13) $20x^2 + 11x - 4 = 0$
$x = -4/5, 1/4$

(14) $9x^2 = 3x + 2$
$x = -1/3, 2/3$

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

(16) $(x - 3)(x - 6) = 9$
$x = (9 \pm 3\sqrt{5})/2$