二次方程式 整理してから解く（16問）　版B

なまえ：＿＿＿＿＿＿＿＿＿＿＿＿　　日づけ：＿＿＿＿＿＿

(1) $3x^2 = -11x + 4$

(2) $(x - 6)(x + 1) = 7$

(3) $25x^2 - 20x - 21 = 0$

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

(5) $3x^2 = -4x + 15$

(6) $2x^2 + 10x - 9 = 0$

(7) $x^2 = 2x + 24$

(8) $(x + 2)(x - 3) = -3$

(9) $8x^2 + 26x + 21 = 0$

(10) $20x^2 - 39x + 7 = 0$

(11) $20x^2 + 43x + 21 = 0$

(12) $16x^2 - 1 = 0$

(13) $9x^2 - 3x - 2 = 0$

(14) $2x^2 + 4x - 7 = 0$

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

(16) $3x^2 + 12x - 8 = 0$

二次方程式 整理してから解く（16問）　版Bの答え

※ まず「〜 = 0」の形に直したかを確認してください。

(1) $3x^2 = -11x + 4$
$x = -4, 1/3$

(2) $(x - 6)(x + 1) = 7$
$x = (5 \pm \sqrt{77})/2$

(3) $25x^2 - 20x - 21 = 0$
$x = -3/5, 7/5$

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

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

(6) $2x^2 + 10x - 9 = 0$
$x = (-5 \pm \sqrt{43})/2$

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

(8) $(x + 2)(x - 3) = -3$
$x = (1 \pm \sqrt{13})/2$

(9) $8x^2 + 26x + 21 = 0$
$x = -7/4, -3/2$

(10) $20x^2 - 39x + 7 = 0$
$x = 1/5, 7/4$

(11) $20x^2 + 43x + 21 = 0$
$x = -7/5, -3/4$

(12) $16x^2 - 1 = 0$
$x = -1/4, 1/4$

(13) $9x^2 - 3x - 2 = 0$
$x = -1/3, 2/3$

(14) $2x^2 + 4x - 7 = 0$
$x = (-2 \pm 3\sqrt{2})/2$

(15) $(x - 6)(x + 6) = 2$
$x = \pm\sqrt{38}$

(16) $3x^2 + 12x - 8 = 0$
$x = (-6 \pm 2\sqrt{15})/3$