

二次方程式 整理してから解く (16問) 版Hの答え

※ まず「 $\sim = 0$ 」の形に直したかを確認してください。

(1) $10x^2 - 39x + 14 = 0$
 $x = 2/5, 7/2$

(2) $(x + 5)(x - 1) = 7$
 $x = -6, 2$

(3) $8x^2 - 6x - 35 = 0$
 $x = -7/4, 5/2$

(4) $3x^2 - 19x + 20 = 0$
 $x = 4/3, 5$

(5) $10x^2 + 47x + 42 = 0$
 $x = -7/2, -6/5$

(6) $3x^2 = 15x - 18$
 $x = 2, 3$

(7) $4x^2 - 12x + 7 = 0$
 $x = (3 \pm \sqrt{2})/2$

(8) $25x^2 + 15x + 2 = 0$
 $x = -2/5, -1/5$

(9) $2x^2 + 10x - 3 = 0$
 $x = (-5 \pm \sqrt{31})/2$

(10) $6x^2 = -13x - 6$
 $x = -3/2, -2/3$

(11) $2x^2 = 3x + 9$
 $x = -3/2, 3$

(12) $(x - 5)(x - 4) = 4$
 $x = (9 \pm \sqrt{17})/2$

(13) $6x^2 = -13x + 5$
 $x = -5/2, 1/3$

(14) $(x - 3)(x + 4) = 12$
 $x = (-1 \pm \sqrt{97})/2$

(15) $4x^2 + 12x + 7 = 0$
 $x = (-3 \pm \sqrt{2})/2$

(16) $5x^2 - 3x - 2 = 0$
 $x = -2/5, 1$