

二次方程式 整理してから解く (16問) 版Eの答え

※ まず「 $\sim = 0$ 」の形に直したかを確認してください。

$$(1) 3x^2 + 8x - 7 = 0 \\ x = (-4 \pm \sqrt{37})/3$$

$$(2) 3x^2 + 8x - 5 = 0 \\ x = (-4 \pm \sqrt{31})/3$$

$$(3) 9x^2 = -3x + 30 \\ x = -2, 5/3$$

$$(4) 4x^2 + 12x - 7 = 0 \\ x = -7/2, 1/2$$

$$(5) 10x^2 - 23x - 5 = 0 \\ x = -1/5, 5/2$$

$$(6) (x - 6)(x + 1) = 3 \\ x = (5 \pm \sqrt{61})/2$$

$$(7) 2x^2 - 12x - 5 = 0 \\ x = (6 \pm \sqrt{46})/2$$

$$(8) 10x^2 + 17x + 6 = 0 \\ x = -6/5, -1/2$$

$$(9) 15x^2 + 7x - 2 = 0 \\ x = -2/3, 1/5$$

$$(10) 3x^2 + 8x + 4 = 0 \\ x = -2, -2/3$$

$$(11) (x + 2)(x + 1) = 5 \\ x = (-3 \pm \sqrt{21})/2$$

$$(12) 6x^2 = 21x - 15 \\ x = 1, 5/2$$

$$(13) 9x^2 = 3x + 6 \\ x = -2/3, 1$$

$$(14) (x + 3)(x - 5) = -6 \\ x = 1 \pm \sqrt{10}$$

$$(15) 10x^2 - 27x + 18 = 0 \\ x = 6/5, 3/2$$

$$(16) 3x^2 = -6x + 24 \\ x = -4, 2$$