二次方程式 解の公式（16問）　版Qの答え

※ 根号の中を簡単にしたか・約分したかまで見てください。

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(1) $3x^2 + 6x - 8 = 0$
$x = (-3 \pm \sqrt{33})/3$

(2) $4x^2 - 9x - 3 = 0$
$x = (9 \pm \sqrt{129})/8$

(3) $3x^2 - x - 9 = 0$
$x = (1 \pm \sqrt{109})/6$

(4) $5x^2 + 4x - 8 = 0$
$x = (-2 \pm 2\sqrt{11})/5$

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

(6) $4x^2 - 7x - 6 = 0$
$x = (7 \pm \sqrt{145})/8$

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

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

(9) $x^2 - 9x + 2 = 0$
$x = (9 \pm \sqrt{73})/2$

(10) $5x^2 - 3x - 9 = 0$
$x = (3 \pm 3\sqrt{21})/10$

(11) $3x^2 + 5x - 6 = 0$
$x = (-5 \pm \sqrt{97})/6$

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

(13) $x^2 + 5x - 8 = 0$
$x = (-5 \pm \sqrt{57})/2$

(14) $x^2 + 9x - 8 = 0$
$x = (-9 \pm \sqrt{113})/2$

(15) $2x^2 + x - 2 = 0$
$x = (-1 \pm \sqrt{17})/4$

(16) $x^2 + 8x - 6 = 0$
$x = -4 \pm \sqrt{22}$