二次方程式 解の公式（16問）　版A

組　番　　なまえ：＿＿＿＿＿＿＿＿＿＿　　／16問

(1) $x^2 - 4x - 4 = 0$

(2) $5x^2 + 5x - 4 = 0$

(3) $5x^2 + 3x - 3 = 0$

(4) $5x^2 - 6x - 9 = 0$

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

(6) $x^2 - 5x - 7 = 0$

(7) $x^2 + 9x + 7 = 0$

(8) $2x^2 + 9x - 3 = 0$

(9) $3x^2 + 8x - 7 = 0$

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

(11) $x^2 - 8x - 1 = 0$

(12) $x^2 + 5x - 3 = 0$

(13) $x^2 - 6x - 3 = 0$

(14) $4x^2 - 5x - 7 = 0$

(15) $3x^2 - 8x - 2 = 0$

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

二次方程式 解の公式（16問）　版B

組　番　　なまえ：＿＿＿＿＿＿＿＿＿＿　　／16問

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

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

(3) $2x^2 + 9x - 1 = 0$

(4) $x^2 + 6x + 6 = 0$

(5) $3x^2 + 7x - 5 = 0$

(6) $5x^2 + 8x + 1 = 0$

(7) $2x^2 - 9x + 1 = 0$

(8) $2x^2 - 6x - 5 = 0$

(9) $x^2 - 9x - 7 = 0$

(10) $x^2 + 8x - 4 = 0$

(11) $x^2 + 7x - 1 = 0$

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

(13) $x^2 - 9x + 4 = 0$

(14) $x^2 - 6x + 6 = 0$

(15) $5x^2 + 4x - 5 = 0$

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

二次方程式 解の公式（16問）　版C

組　番　　なまえ：＿＿＿＿＿＿＿＿＿＿　　／16問

(1) $5x^2 + 7x - 4 = 0$

(2) $5x^2 + x - 9 = 0$

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

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

(5) $2x^2 - 4x - 7 = 0$

(6) $3x^2 + 9x + 4 = 0$

(7) $x^2 - 3x + 1 = 0$

(8) $x^2 - 3x - 1 = 0$

(9) $3x^2 + 9x + 1 = 0$

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

(11) $x^2 - 4x - 6 = 0$

(12) $4x^2 + 5x - 8 = 0$

(13) $4x^2 - 9x - 7 = 0$

(14) $x^2 - 9x + 5 = 0$

(15) $3x^2 + 8x - 4 = 0$

(16) $x^2 + 7x + 7 = 0$

二次方程式 解の公式（16問）　版D

組　番　　なまえ：＿＿＿＿＿＿＿＿＿＿　　／16問

(1) $x^2 - 7x + 5 = 0$

(2) $3x^2 - 5x - 9 = 0$

(3) $x^2 + 8x + 4 = 0$

(4) $5x^2 - 3x - 7 = 0$

(5) $x^2 - x - 4 = 0$

(6) $4x^2 - 9x + 3 = 0$

(7) $x^2 + 9x - 3 = 0$

(8) $x^2 - 5x - 3 = 0$

(9) $x^2 - 7x - 9 = 0$

(10) $3x^2 - 9x - 8 = 0$

(11) $x^2 - 2x - 2 = 0$

(12) $4x^2 + 3x - 5 = 0$

(13) $3x^2 - 6x - 4 = 0$

(14) $5x^2 - 4x - 2 = 0$

(15) $3x^2 - 8x - 2 = 0$

(16) $x^2 + 9x - 5 = 0$

二次方程式 解の公式（16問）　版E

組　番　　なまえ：＿＿＿＿＿＿＿＿＿＿　　／16問

(1) $3x^2 + 9x + 1 = 0$

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

(3) $2x^2 + x - 7 = 0$

(4) $x^2 - x - 8 = 0$

(5) $x^2 - 8x + 9 = 0$

(6) $4x^2 + 9x + 4 = 0$

(7) $x^2 + 9x + 9 = 0$

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

(9) $x^2 - 7x - 7 = 0$

(10) $x^2 + 5x - 5 = 0$

(11) $2x^2 + 2x - 5 = 0$

(12) $x^2 + 7x + 9 = 0$

(13) $5x^2 - 2x - 2 = 0$

(14) $x^2 - 6x + 2 = 0$

(15) $5x^2 + 3x - 3 = 0$

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

二次方程式 解の公式（16問）　版F

組　番　　なまえ：＿＿＿＿＿＿＿＿＿＿　　／16問

(1) $3x^2 - 6x + 2 = 0$

(2) $x^2 - 7x + 5 = 0$

(3) $5x^2 + 8x - 8 = 0$

(4) $x^2 + 7x - 6 = 0$

(5) $x^2 - 9x + 1 = 0$

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

(7) $5x^2 - 9x - 9 = 0$

(8) $x^2 + 4x - 9 = 0$

(9) $3x^2 + 6x - 8 = 0$

(10) $2x^2 + 3x - 1 = 0$

(11) $5x^2 - x - 2 = 0$

(12) $x^2 + 6x + 3 = 0$

(13) $x^2 + 6x + 6 = 0$

(14) $x^2 - 3x - 1 = 0$

(15) $x^2 + 7x + 3 = 0$

(16) $4x^2 - 4x - 9 = 0$

二次方程式 解の公式（16問）　版G

組　番　　なまえ：＿＿＿＿＿＿＿＿＿＿　　／16問

(1) $4x^2 + 8x - 1 = 0$

(2) $3x^2 - 2x - 4 = 0$

(3) $3x^2 + 3x - 1 = 0$

(4) $5x^2 + 5x - 1 = 0$

(5) $x^2 - 9x - 1 = 0$

(6) $4x^2 - x - 9 = 0$

(7) $4x^2 + 5x - 7 = 0$

(8) $x^2 - 4x - 4 = 0$

(9) $x^2 - 7x + 7 = 0$

(10) $x^2 - 5x + 1 = 0$

(11) $x^2 + 6x - 2 = 0$

(12) $5x^2 + 8x - 7 = 0$

(13) $4x^2 - 5x - 3 = 0$

(14) $x^2 + 9x + 2 = 0$

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

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

二次方程式 解の公式（16問）　版H

組　番　　なまえ：＿＿＿＿＿＿＿＿＿＿　　／16問

(1) $2x^2 - 8x + 1 = 0$

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

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

(4) $x^2 + x - 8 = 0$

(5) $3x^2 + 8x - 6 = 0$

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

(7) $5x^2 + x - 5 = 0$

(8) $5x^2 - 6x - 6 = 0$

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

(10) $x^2 - 8x + 9 = 0$

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

(12) $5x^2 + 8x + 1 = 0$

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

(14) $5x^2 + 6x - 7 = 0$

(15) $2x^2 - 6x - 9 = 0$

(16) $x^2 + 5x - 4 = 0$

二次方程式 解の公式（16問）　版I

組　番　　なまえ：＿＿＿＿＿＿＿＿＿＿　　／16問

(1) $x^2 + 4x + 1 = 0$

(2) $2x^2 - 3x - 1 = 0$

(3) $x^2 - x - 8 = 0$

(4) $3x^2 - 2x - 4 = 0$

(5) $x^2 + 6x + 3 = 0$

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

(7) $3x^2 + 8x - 8 = 0$

(8) $2x^2 - 3x - 6 = 0$

(9) $5x^2 + 2x - 2 = 0$

(10) $x^2 - 5x - 8 = 0$

(11) $x^2 - 6x - 3 = 0$

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

(13) $4x^2 - 8x - 7 = 0$

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

(15) $5x^2 + 6x - 6 = 0$

(16) $5x^2 + 3x - 4 = 0$

二次方程式 解の公式（16問）　版J

組　番　　なまえ：＿＿＿＿＿＿＿＿＿＿　　／16問

(1) $3x^2 + 9x + 5 = 0$

(2) $x^2 - 4x - 1 = 0$

(3) $2x^2 - 7x + 1 = 0$

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

(5) $x^2 + 9x - 5 = 0$

(6) $x^2 + 9x - 4 = 0$

(7) $x^2 - 3x - 7 = 0$

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

(9) $2x^2 - 8x - 3 = 0$

(10) $x^2 - 7x - 5 = 0$

(11) $3x^2 + 2x - 3 = 0$

(12) $x^2 + 9x + 2 = 0$

(13) $3x^2 + 7x - 3 = 0$

(14) $5x^2 - 5x - 2 = 0$

(15) $4x^2 + 3x - 6 = 0$

(16) $5x^2 + 7x - 5 = 0$

二次方程式 解の公式（16問）　版K

組　番　　なまえ：＿＿＿＿＿＿＿＿＿＿　　／16問

(1) $2x^2 + 3x - 1 = 0$

(2) $4x^2 - 9x + 1 = 0$

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

(4) $x^2 + 8x - 1 = 0$

(5) $x^2 + 5x - 7 = 0$

(6) $x^2 - 3x + 1 = 0$

(7) $x^2 - 7x + 5 = 0$

(8) $3x^2 + 7x + 3 = 0$

(9) $2x^2 - 8x + 1 = 0$

(10) $3x^2 - 9x + 1 = 0$

(11) $4x^2 + 5x - 7 = 0$

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

(13) $3x^2 - 2x - 6 = 0$

(14) $x^2 - 7x - 1 = 0$

(15) $x^2 - x - 8 = 0$

(16) $x^2 + 7x - 7 = 0$

二次方程式 解の公式（16問）　版L

組　番　　なまえ：＿＿＿＿＿＿＿＿＿＿　　／16問

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

(2) $4x^2 + 8x - 1 = 0$

(3) $2x^2 + 5x + 1 = 0$

(4) $5x^2 + x - 1 = 0$

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

(6) $5x^2 + 4x - 7 = 0$

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

(8) $x^2 - 9x - 2 = 0$

(9) $2x^2 + 2x - 5 = 0$

(10) $x^2 - 9x + 1 = 0$

(11) $2x^2 + 9x - 3 = 0$

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

(13) $x^2 + 9x + 7 = 0$

(14) $x^2 + x - 3 = 0$

(15) $x^2 + 9x - 5 = 0$

(16) $x^2 - 7x - 3 = 0$

二次方程式 解の公式（16問）　版M

組　番　　なまえ：＿＿＿＿＿＿＿＿＿＿　　／16問

(1) $x^2 - 8x + 6 = 0$

(2) $2x^2 - 5x - 4 = 0$

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

(4) $2x^2 - 9x - 6 = 0$

(5) $x^2 + 7x + 3 = 0$

(6) $3x^2 + 7x - 7 = 0$

(7) $x^2 - 8x + 9 = 0$

(8) $2x^2 + 5x - 9 = 0$

(9) $x^2 + 7x + 9 = 0$

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

(11) $x^2 + 7x - 9 = 0$

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

(13) $4x^2 + 9x - 5 = 0$

(14) $3x^2 - 5x - 6 = 0$

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

(16) $x^2 - x - 4 = 0$

二次方程式 解の公式（16問）　版N

組　番　　なまえ：＿＿＿＿＿＿＿＿＿＿　　／16問

(1) $2x^2 + 7x + 4 = 0$

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

(3) $x^2 - 8x - 8 = 0$

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

(5) $4x^2 + 4x - 5 = 0$

(6) $2x^2 + 3x - 1 = 0$

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

(8) $4x^2 - 2x - 9 = 0$

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

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

(11) $x^2 + 7x + 9 = 0$

(12) $3x^2 + 9x - 4 = 0$

(13) $x^2 - 7x - 3 = 0$

(14) $5x^2 - 7x - 9 = 0$

(15) $5x^2 - 8x - 5 = 0$

(16) $x^2 + 6x - 8 = 0$

二次方程式 解の公式（16問）　版O

組　番　　なまえ：＿＿＿＿＿＿＿＿＿＿　　／16問

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

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

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

(4) $x^2 - 5x - 1 = 0$

(5) $3x^2 + 7x - 3 = 0$

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

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

(8) $3x^2 - 4x - 5 = 0$

(9) $4x^2 - 8x - 1 = 0$

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

(11) $5x^2 + 4x - 2 = 0$

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

(13) $2x^2 - 3x - 8 = 0$

(14) $x^2 - 2x - 6 = 0$

(15) $x^2 - 9x - 8 = 0$

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

二次方程式 解の公式（16問）　版P

組　番　　なまえ：＿＿＿＿＿＿＿＿＿＿　　／16問

(1) $2x^2 + 9x + 5 = 0$

(2) $x^2 + 5x - 9 = 0$

(3) $5x^2 + 9x + 2 = 0$

(4) $2x^2 - 5x - 6 = 0$

(5) $x^2 - 9x - 1 = 0$

(6) $x^2 + 3x + 1 = 0$

(7) $3x^2 + 2x - 3 = 0$

(8) $x^2 + 9x + 1 = 0$

(9) $3x^2 - 8x + 2 = 0$

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

(11) $5x^2 - x - 9 = 0$

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

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

(14) $x^2 + 5x + 3 = 0$

(15) $3x^2 - 9x - 1 = 0$

(16) $x^2 - 2x - 4 = 0$

二次方程式 解の公式（16問）　版Q

組　番　　なまえ：＿＿＿＿＿＿＿＿＿＿　　／16問

(1) $3x^2 + 6x - 8 = 0$

(2) $4x^2 - 9x - 3 = 0$

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

(4) $5x^2 + 4x - 8 = 0$

(5) $x^2 - 4x - 4 = 0$

(6) $4x^2 - 7x - 6 = 0$

(7) $x^2 - 4x - 3 = 0$

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

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

(10) $5x^2 - 3x - 9 = 0$

(11) $3x^2 + 5x - 6 = 0$

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

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

(14) $x^2 + 9x - 8 = 0$

(15) $2x^2 + x - 2 = 0$

(16) $x^2 + 8x - 6 = 0$

二次方程式 解の公式（16問）　版A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) $x^2 - 4x - 4 = 0$
$x = 2 \pm 2\sqrt{2}$

(2) $5x^2 + 5x - 4 = 0$
$x = (-5 \pm \sqrt{105})/10$

(3) $5x^2 + 3x - 3 = 0$
$x = (-3 \pm \sqrt{69})/10$

(4) $5x^2 - 6x - 9 = 0$
$x = (3 \pm 3\sqrt{6})/5$

(5) $x^2 + 8x - 7 = 0$
$x = -4 \pm \sqrt{23}$

(6) $x^2 - 5x - 7 = 0$
$x = (5 \pm \sqrt{53})/2$

(7) $x^2 + 9x + 7 = 0$
$x = (-9 \pm \sqrt{53})/2$

(8) $2x^2 + 9x - 3 = 0$
$x = (-9 \pm \sqrt{105})/4$

(9) $3x^2 + 8x - 7 = 0$
$x = (-4 \pm \sqrt{37})/3$

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

(11) $x^2 - 8x - 1 = 0$
$x = 4 \pm \sqrt{17}$

(12) $x^2 + 5x - 3 = 0$
$x = (-5 \pm \sqrt{37})/2$

(13) $x^2 - 6x - 3 = 0$
$x = 3 \pm 2\sqrt{3}$

(14) $4x^2 - 5x - 7 = 0$
$x = (5 \pm \sqrt{137})/8$

(15) $3x^2 - 8x - 2 = 0$
$x = (4 \pm \sqrt{22})/3$

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

二次方程式 解の公式（16問）　版B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。

---

(1) $3x^2 - 2x - 9 = 0$
$x = (1 \pm 2\sqrt{7})/3$

(2) $x^2 - 2x - 4 = 0$
$x = 1 \pm \sqrt{5}$

(3) $2x^2 + 9x - 1 = 0$
$x = (-9 \pm \sqrt{89})/4$

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

(5) $3x^2 + 7x - 5 = 0$
$x = (-7 \pm \sqrt{109})/6$

(6) $5x^2 + 8x + 1 = 0$
$x = (-4 \pm \sqrt{11})/5$

(7) $2x^2 - 9x + 1 = 0$
$x = (9 \pm \sqrt{73})/4$

(8) $2x^2 - 6x - 5 = 0$
$x = (3 \pm \sqrt{19})/2$

(9) $x^2 - 9x - 7 = 0$
$x = (9 \pm \sqrt{109})/2$

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

(11) $x^2 + 7x - 1 = 0$
$x = (-7 \pm \sqrt{53})/2$

(12) $5x^2 - x - 5 = 0$
$x = (1 \pm \sqrt{101})/10$

(13) $x^2 - 9x + 4 = 0$
$x = (9 \pm \sqrt{65})/2$

(14) $x^2 - 6x + 6 = 0$
$x = 3 \pm \sqrt{3}$

(15) $5x^2 + 4x - 5 = 0$
$x = (-2 \pm \sqrt{29})/5$

(16) $x^2 - 3x - 2 = 0$
$x = (3 \pm \sqrt{17})/2$

二次方程式 解の公式（16問）　版C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。

---

(1) $5x^2 + 7x - 4 = 0$
$x = (-7 \pm \sqrt{129})/10$

(2) $5x^2 + x - 9 = 0$
$x = (-1 \pm \sqrt{181})/10$

(3) $x^2 - 6x - 1 = 0$
$x = 3 \pm \sqrt{10}$

(4) $x^2 - 2x - 7 = 0$
$x = 1 \pm 2\sqrt{2}$

(5) $2x^2 - 4x - 7 = 0$
$x = (2 \pm 3\sqrt{2})/2$

(6) $3x^2 + 9x + 4 = 0$
$x = (-9 \pm \sqrt{33})/6$

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

(8) $x^2 - 3x - 1 = 0$
$x = (3 \pm \sqrt{13})/2$

(9) $3x^2 + 9x + 1 = 0$
$x = (-9 \pm \sqrt{69})/6$

(10) $x^2 - 9x + 6 = 0$
$x = (9 \pm \sqrt{57})/2$

(11) $x^2 - 4x - 6 = 0$
$x = 2 \pm \sqrt{10}$

(12) $4x^2 + 5x - 8 = 0$
$x = (-5 \pm 3\sqrt{17})/8$

(13) $4x^2 - 9x - 7 = 0$
$x = (9 \pm \sqrt{193})/8$

(14) $x^2 - 9x + 5 = 0$
$x = (9 \pm \sqrt{61})/2$

(15) $3x^2 + 8x - 4 = 0$
$x = (-4 \pm 2\sqrt{7})/3$

(16) $x^2 + 7x + 7 = 0$
$x = (-7 \pm \sqrt{21})/2$

二次方程式 解の公式（16問）　版D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。

---

(1) $x^2 - 7x + 5 = 0$
$x = (7 \pm \sqrt{29})/2$

(2) $3x^2 - 5x - 9 = 0$
$x = (5 \pm \sqrt{133})/6$

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

(4) $5x^2 - 3x - 7 = 0$
$x = (3 \pm \sqrt{149})/10$

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

(6) $4x^2 - 9x + 3 = 0$
$x = (9 \pm \sqrt{33})/8$

(7) $x^2 + 9x - 3 = 0$
$x = (-9 \pm \sqrt{93})/2$

(8) $x^2 - 5x - 3 = 0$
$x = (5 \pm \sqrt{37})/2$

(9) $x^2 - 7x - 9 = 0$
$x = (7 \pm \sqrt{85})/2$

(10) $3x^2 - 9x - 8 = 0$
$x = (9 \pm \sqrt{177})/6$

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

(12) $4x^2 + 3x - 5 = 0$
$x = (-3 \pm \sqrt{89})/8$

(13) $3x^2 - 6x - 4 = 0$
$x = (3 \pm \sqrt{21})/3$

(14) $5x^2 - 4x - 2 = 0$
$x = (2 \pm \sqrt{14})/5$

(15) $3x^2 - 8x - 2 = 0$
$x = (4 \pm \sqrt{22})/3$

(16) $x^2 + 9x - 5 = 0$
$x = (-9 \pm \sqrt{101})/2$

二次方程式 解の公式（16問）　版E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。

---

(1) $3x^2 + 9x + 1 = 0$
$x = (-9 \pm \sqrt{69})/6$

(2) $5x^2 + 6x - 9 = 0$
$x = (-3 \pm 3\sqrt{6})/5$

(3) $2x^2 + x - 7 = 0$
$x = (-1 \pm \sqrt{57})/4$

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

(5) $x^2 - 8x + 9 = 0$
$x = 4 \pm \sqrt{7}$

(6) $4x^2 + 9x + 4 = 0$
$x = (-9 \pm \sqrt{17})/8$

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

(8) $2x^2 + 7x + 2 = 0$
$x = (-7 \pm \sqrt{33})/4$

(9) $x^2 - 7x - 7 = 0$
$x = (7 \pm \sqrt{77})/2$

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

(11) $2x^2 + 2x - 5 = 0$
$x = (-1 \pm \sqrt{11})/2$

(12) $x^2 + 7x + 9 = 0$
$x = (-7 \pm \sqrt{13})/2$

(13) $5x^2 - 2x - 2 = 0$
$x = (1 \pm \sqrt{11})/5$

(14) $x^2 - 6x + 2 = 0$
$x = 3 \pm \sqrt{7}$

(15) $5x^2 + 3x - 3 = 0$
$x = (-3 \pm \sqrt{69})/10$

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

二次方程式 解の公式（16問）　版F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。

---

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

(2) $x^2 - 7x + 5 = 0$
$x = (7 \pm \sqrt{29})/2$

(3) $5x^2 + 8x - 8 = 0$
$x = (-4 \pm 2\sqrt{14})/5$

(4) $x^2 + 7x - 6 = 0$
$x = (-7 \pm \sqrt{73})/2$

(5) $x^2 - 9x + 1 = 0$
$x = (9 \pm \sqrt{77})/2$

(6) $5x^2 + 2x - 9 = 0$
$x = (-1 \pm \sqrt{46})/5$

(7) $5x^2 - 9x - 9 = 0$
$x = (9 \pm 3\sqrt{29})/10$

(8) $x^2 + 4x - 9 = 0$
$x = -2 \pm \sqrt{13}$

(9) $3x^2 + 6x - 8 = 0$
$x = (-3 \pm \sqrt{33})/3$

(10) $2x^2 + 3x - 1 = 0$
$x = (-3 \pm \sqrt{17})/4$

(11) $5x^2 - x - 2 = 0$
$x = (1 \pm \sqrt{41})/10$

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

(13) $x^2 + 6x + 6 = 0$
$x = -3 \pm \sqrt{3}$

(14) $x^2 - 3x - 1 = 0$
$x = (3 \pm \sqrt{13})/2$

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

(16) $4x^2 - 4x - 9 = 0$
$x = (1 \pm \sqrt{10})/2$

二次方程式 解の公式（16問）　版G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。

---

(1) $4x^2 + 8x - 1 = 0$
$x = (-2 \pm \sqrt{5})/2$

(2) $3x^2 - 2x - 4 = 0$
$x = (1 \pm \sqrt{13})/3$

(3) $3x^2 + 3x - 1 = 0$
$x = (-3 \pm \sqrt{21})/6$

(4) $5x^2 + 5x - 1 = 0$
$x = (-5 \pm 3\sqrt{5})/10$

(5) $x^2 - 9x - 1 = 0$
$x = (9 \pm \sqrt{85})/2$

(6) $4x^2 - x - 9 = 0$
$x = (1 \pm \sqrt{145})/8$

(7) $4x^2 + 5x - 7 = 0$
$x = (-5 \pm \sqrt{137})/8$

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

(9) $x^2 - 7x + 7 = 0$
$x = (7 \pm \sqrt{21})/2$

(10) $x^2 - 5x + 1 = 0$
$x = (5 \pm \sqrt{21})/2$

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

(12) $5x^2 + 8x - 7 = 0$
$x = (-4 \pm \sqrt{51})/5$

(13) $4x^2 - 5x - 3 = 0$
$x = (5 \pm \sqrt{73})/8$

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

(15) $x^2 + 8x - 3 = 0$
$x = -4 \pm \sqrt{19}$

(16) $x^2 - 2x - 1 = 0$
$x = 1 \pm \sqrt{2}$

二次方程式 解の公式（16問）　版H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。

---

(1) $2x^2 - 8x + 1 = 0$
$x = (4 \pm \sqrt{14})/2$

(2) $x^2 - 2x - 9 = 0$
$x = 1 \pm \sqrt{10}$

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

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

(5) $3x^2 + 8x - 6 = 0$
$x = (-4 \pm \sqrt{34})/3$

(6) $5x^2 + 9x - 5 = 0$
$x = (-9 \pm \sqrt{181})/10$

(7) $5x^2 + x - 5 = 0$
$x = (-1 \pm \sqrt{101})/10$

(8) $5x^2 - 6x - 6 = 0$
$x = (3 \pm \sqrt{39})/5$

(9) $x^2 + 9x - 6 = 0$
$x = (-9 \pm \sqrt{105})/2$

(10) $x^2 - 8x + 9 = 0$
$x = 4 \pm \sqrt{7}$

(11) $x^2 + 7x - 4 = 0$
$x = (-7 \pm \sqrt{65})/2$

(12) $5x^2 + 8x + 1 = 0$
$x = (-4 \pm \sqrt{11})/5$

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

(14) $5x^2 + 6x - 7 = 0$
$x = (-3 \pm 2\sqrt{11})/5$

(15) $2x^2 - 6x - 9 = 0$
$x = (3 \pm 3\sqrt{3})/2$

(16) $x^2 + 5x - 4 = 0$
$x = (-5 \pm \sqrt{41})/2$

二次方程式 解の公式（16問）　版I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。

---

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

(2) $2x^2 - 3x - 1 = 0$
$x = (3 \pm \sqrt{17})/4$

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

(4) $3x^2 - 2x - 4 = 0$
$x = (1 \pm \sqrt{13})/3$

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

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

(7) $3x^2 + 8x - 8 = 0$
$x = (-4 \pm 2\sqrt{10})/3$

(8) $2x^2 - 3x - 6 = 0$
$x = (3 \pm \sqrt{57})/4$

(9) $5x^2 + 2x - 2 = 0$
$x = (-1 \pm \sqrt{11})/5$

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

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

(12) $x^2 - 6x - 5 = 0$
$x = 3 \pm \sqrt{14}$

(13) $4x^2 - 8x - 7 = 0$
$x = (2 \pm \sqrt{11})/2$

(14) $x^2 + 7x + 7 = 0$
$x = (-7 \pm \sqrt{21})/2$

(15) $5x^2 + 6x - 6 = 0$
$x = (-3 \pm \sqrt{39})/5$

(16) $5x^2 + 3x - 4 = 0$
$x = (-3 \pm \sqrt{89})/10$

二次方程式 解の公式（16問）　版J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。

---

(1) $3x^2 + 9x + 5 = 0$
$x = (-9 \pm \sqrt{21})/6$

(2) $x^2 - 4x - 1 = 0$
$x = 2 \pm \sqrt{5}$

(3) $2x^2 - 7x + 1 = 0$
$x = (7 \pm \sqrt{41})/4$

(4) $x^2 - 7x - 7 = 0$
$x = (7 \pm \sqrt{77})/2$

(5) $x^2 + 9x - 5 = 0$
$x = (-9 \pm \sqrt{101})/2$

(6) $x^2 + 9x - 4 = 0$
$x = (-9 \pm \sqrt{97})/2$

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

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

(9) $2x^2 - 8x - 3 = 0$
$x = (4 \pm \sqrt{22})/2$

(10) $x^2 - 7x - 5 = 0$
$x = (7 \pm \sqrt{69})/2$

(11) $3x^2 + 2x - 3 = 0$
$x = (-1 \pm \sqrt{10})/3$

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

(13) $3x^2 + 7x - 3 = 0$
$x = (-7 \pm \sqrt{85})/6$

(14) $5x^2 - 5x - 2 = 0$
$x = (5 \pm \sqrt{65})/10$

(15) $4x^2 + 3x - 6 = 0$
$x = (-3 \pm \sqrt{105})/8$

(16) $5x^2 + 7x - 5 = 0$
$x = (-7 \pm \sqrt{149})/10$

二次方程式 解の公式（16問）　版K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。

---

(1) $2x^2 + 3x - 1 = 0$
$x = (-3 \pm \sqrt{17})/4$

(2) $4x^2 - 9x + 1 = 0$
$x = (9 \pm \sqrt{65})/8$

(3) $x^2 - 7x + 8 = 0$
$x = (7 \pm \sqrt{17})/2$

(4) $x^2 + 8x - 1 = 0$
$x = -4 \pm \sqrt{17}$

(5) $x^2 + 5x - 7 = 0$
$x = (-5 \pm \sqrt{53})/2$

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

(7) $x^2 - 7x + 5 = 0$
$x = (7 \pm \sqrt{29})/2$

(8) $3x^2 + 7x + 3 = 0$
$x = (-7 \pm \sqrt{13})/6$

(9) $2x^2 - 8x + 1 = 0$
$x = (4 \pm \sqrt{14})/2$

(10) $3x^2 - 9x + 1 = 0$
$x = (9 \pm \sqrt{69})/6$

(11) $4x^2 + 5x - 7 = 0$
$x = (-5 \pm \sqrt{137})/8$

(12) $3x^2 - 8x - 2 = 0$
$x = (4 \pm \sqrt{22})/3$

(13) $3x^2 - 2x - 6 = 0$
$x = (1 \pm \sqrt{19})/3$

(14) $x^2 - 7x - 1 = 0$
$x = (7 \pm \sqrt{53})/2$

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

(16) $x^2 + 7x - 7 = 0$
$x = (-7 \pm \sqrt{77})/2$

二次方程式 解の公式（16問）　版L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。

---

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

(2) $4x^2 + 8x - 1 = 0$
$x = (-2 \pm \sqrt{5})/2$

(3) $2x^2 + 5x + 1 = 0$
$x = (-5 \pm \sqrt{17})/4$

(4) $5x^2 + x - 1 = 0$
$x = (-1 \pm \sqrt{21})/10$

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

(6) $5x^2 + 4x - 7 = 0$
$x = (-2 \pm \sqrt{39})/5$

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

(8) $x^2 - 9x - 2 = 0$
$x = (9 \pm \sqrt{89})/2$

(9) $2x^2 + 2x - 5 = 0$
$x = (-1 \pm \sqrt{11})/2$

(10) $x^2 - 9x + 1 = 0$
$x = (9 \pm \sqrt{77})/2$

(11) $2x^2 + 9x - 3 = 0$
$x = (-9 \pm \sqrt{105})/4$

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

(13) $x^2 + 9x + 7 = 0$
$x = (-9 \pm \sqrt{53})/2$

(14) $x^2 + x - 3 = 0$
$x = (-1 \pm \sqrt{13})/2$

(15) $x^2 + 9x - 5 = 0$
$x = (-9 \pm \sqrt{101})/2$

(16) $x^2 - 7x - 3 = 0$
$x = (7 \pm \sqrt{61})/2$

二次方程式 解の公式（16問）　版M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。

---

(1) $x^2 - 8x + 6 = 0$
$x = 4 \pm \sqrt{10}$

(2) $2x^2 - 5x - 4 = 0$
$x = (5 \pm \sqrt{57})/4$

(3) $x^2 - 7x + 8 = 0$
$x = (7 \pm \sqrt{17})/2$

(4) $2x^2 - 9x - 6 = 0$
$x = (9 \pm \sqrt{129})/4$

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

(6) $3x^2 + 7x - 7 = 0$
$x = (-7 \pm \sqrt{133})/6$

(7) $x^2 - 8x + 9 = 0$
$x = 4 \pm \sqrt{7}$

(8) $2x^2 + 5x - 9 = 0$
$x = (-5 \pm \sqrt{97})/4$

(9) $x^2 + 7x + 9 = 0$
$x = (-7 \pm \sqrt{13})/2$

(10) $x^2 + 7x - 2 = 0$
$x = (-7 \pm \sqrt{57})/2$

(11) $x^2 + 7x - 9 = 0$
$x = (-7 \pm \sqrt{85})/2$

(12) $2x^2 - 5x - 6 = 0$
$x = (5 \pm \sqrt{73})/4$

(13) $4x^2 + 9x - 5 = 0$
$x = (-9 \pm \sqrt{161})/8$

(14) $3x^2 - 5x - 6 = 0$
$x = (5 \pm \sqrt{97})/6$

(15) $5x^2 - 8x + 1 = 0$
$x = (4 \pm \sqrt{11})/5$

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

二次方程式 解の公式（16問）　版N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。

---

(1) $2x^2 + 7x + 4 = 0$
$x = (-7 \pm \sqrt{17})/4$

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

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

(4) $5x^2 - x - 3 = 0$
$x = (1 \pm \sqrt{61})/10$

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

(6) $2x^2 + 3x - 1 = 0$
$x = (-3 \pm \sqrt{17})/4$

(7) $x^2 + 6x - 1 = 0$
$x = -3 \pm \sqrt{10}$

(8) $4x^2 - 2x - 9 = 0$
$x = (1 \pm \sqrt{37})/4$

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

(10) $x^2 - 6x - 6 = 0$
$x = 3 \pm \sqrt{15}$

(11) $x^2 + 7x + 9 = 0$
$x = (-7 \pm \sqrt{13})/2$

(12) $3x^2 + 9x - 4 = 0$
$x = (-9 \pm \sqrt{129})/6$

(13) $x^2 - 7x - 3 = 0$
$x = (7 \pm \sqrt{61})/2$

(14) $5x^2 - 7x - 9 = 0$
$x = (7 \pm \sqrt{229})/10$

(15) $5x^2 - 8x - 5 = 0$
$x = (4 \pm \sqrt{41})/5$

(16) $x^2 + 6x - 8 = 0$
$x = -3 \pm \sqrt{17}$

二次方程式 解の公式（16問）　版O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。

---

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

(2) $4x^2 - 7x + 2 = 0$
$x = (7 \pm \sqrt{17})/8$

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

(4) $x^2 - 5x - 1 = 0$
$x = (5 \pm \sqrt{29})/2$

(5) $3x^2 + 7x - 3 = 0$
$x = (-7 \pm \sqrt{85})/6$

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

(7) $x^2 + 7x - 4 = 0$
$x = (-7 \pm \sqrt{65})/2$

(8) $3x^2 - 4x - 5 = 0$
$x = (2 \pm \sqrt{19})/3$

(9) $4x^2 - 8x - 1 = 0$
$x = (2 \pm \sqrt{5})/2$

(10) $x^2 - 6x - 1 = 0$
$x = 3 \pm \sqrt{10}$

(11) $5x^2 + 4x - 2 = 0$
$x = (-2 \pm \sqrt{14})/5$

(12) $5x^2 - 9x - 3 = 0$
$x = (9 \pm \sqrt{141})/10$

(13) $2x^2 - 3x - 8 = 0$
$x = (3 \pm \sqrt{73})/4$

(14) $x^2 - 2x - 6 = 0$
$x = 1 \pm \sqrt{7}$

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

(16) $2x^2 - 2x - 1 = 0$
$x = (1 \pm \sqrt{3})/2$

二次方程式 解の公式（16問）　版P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。

---

(1) $2x^2 + 9x + 5 = 0$
$x = (-9 \pm \sqrt{41})/4$

(2) $x^2 + 5x - 9 = 0$
$x = (-5 \pm \sqrt{61})/2$

(3) $5x^2 + 9x + 2 = 0$
$x = (-9 \pm \sqrt{41})/10$

(4) $2x^2 - 5x - 6 = 0$
$x = (5 \pm \sqrt{73})/4$

(5) $x^2 - 9x - 1 = 0$
$x = (9 \pm \sqrt{85})/2$

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

(7) $3x^2 + 2x - 3 = 0$
$x = (-1 \pm \sqrt{10})/3$

(8) $x^2 + 9x + 1 = 0$
$x = (-9 \pm \sqrt{77})/2$

(9) $3x^2 - 8x + 2 = 0$
$x = (4 \pm \sqrt{10})/3$

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

(11) $5x^2 - x - 9 = 0$
$x = (1 \pm \sqrt{181})/10$

(12) $2x^2 - 5x - 5 = 0$
$x = (5 \pm \sqrt{65})/4$

(13) $x^2 - x - 9 = 0$
$x = (1 \pm \sqrt{37})/2$

(14) $x^2 + 5x + 3 = 0$
$x = (-5 \pm \sqrt{13})/2$

(15) $3x^2 - 9x - 1 = 0$
$x = (9 \pm \sqrt{93})/6$

(16) $x^2 - 2x - 4 = 0$
$x = 1 \pm \sqrt{5}$

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。

---

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