二次方程式 整理してから解く（16問）　版A

組　番　　なまえ：＿＿＿＿＿＿＿＿＿＿　　／16問

(1) $4x^2 + 27x - 7 = 0$

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

(3) $2x^2 - 12x - 7 = 0$

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

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

(6) $20x^2 - 39x + 7 = 0$

(7) $4x^2 = 8x + 12$

(8) $3x^2 = 4x - 1$

(9) $(x + 5)(x + 4) = 8$

(10) $(x - 5)(x + 6) = 1$

(11) $5x^2 + 27x + 28 = 0$

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

(13) $4x^2 + 12x - 3 = 0$

(14) $6x^2 = -5x + 4$

(15) $5x^2 - 34x + 24 = 0$

(16) $(x - 3)(x + 6) = 5$

二次方程式 整理してから解く（16問）　版B

組　番　　なまえ：＿＿＿＿＿＿＿＿＿＿　　／16問

(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C

組　番　　なまえ：＿＿＿＿＿＿＿＿＿＿　　／16問

(1) $6x^2 = -26x - 24$

(2) $10x^2 + 39x + 14 = 0$

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

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

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

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

(7) $12x^2 - 23x + 10 = 0$

(8) $9x^2 = 21x - 10$

(9) $15x^2 + 26x - 21 = 0$

(10) $2x^2 - 9x + 7 = 0$

(11) $(x + 6)(x + 6) = 9$

(12) $(x + 1)(x + 5) = 12$

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

(14) $6x^2 + 11x - 7 = 0$

(15) $4x^2 - 8x - 1 = 0$

(16) $6x^2 - 19x + 15 = 0$

二次方程式 整理してから解く（16問）　版D

組　番　　なまえ：＿＿＿＿＿＿＿＿＿＿　　／16問

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

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

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

(4) $6x^2 = -18x - 12$

(5) $(x - 4)(x + 3) = 10$

(6) $12x^2 + 17x - 7 = 0$

(7) $6x^2 = 19x - 15$

(8) $2x^2 = -4x + 6$

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

(10) $2x^2 = -4x + 30$

(11) $10x^2 + 27x + 18 = 0$

(12) $20x^2 - 33x + 10 = 0$

(13) $20x^2 - 13x - 15 = 0$

(14) $20x^2 + 27x - 14 = 0$

(15) $5x^2 + 4x - 7 = 0$

(16) $3x^2 + 2x - 1 = 0$

二次方程式 整理してから解く（16問）　版E

組　番　　なまえ：＿＿＿＿＿＿＿＿＿＿　　／16問

(1) $3x^2 + 8x - 7 = 0$

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

(3) $9x^2 = -3x + 30$

(4) $4x^2 + 12x - 7 = 0$

(5) $10x^2 - 23x - 5 = 0$

(6) $(x - 6)(x + 1) = 3$

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

(8) $10x^2 + 17x + 6 = 0$

(9) $15x^2 + 7x - 2 = 0$

(10) $3x^2 + 8x + 4 = 0$

(11) $(x + 2)(x + 1) = 5$

(12) $6x^2 = 21x - 15$

(13) $9x^2 = 3x + 6$

(14) $(x + 3)(x - 5) = -6$

(15) $10x^2 - 27x + 18 = 0$

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

二次方程式 整理してから解く（16問）　版F

組　番　　なまえ：＿＿＿＿＿＿＿＿＿＿　　／16問

(1) $10x^2 + 21x - 49 = 0$

(2) $16x^2 + 32x + 15 = 0$

(3) $9x^2 - 9x - 28 = 0$

(4) $10x^2 + 29x + 10 = 0$

(5) $5x^2 - 10x - 6 = 0$

(6) $2x^2 + 11x + 14 = 0$

(7) $(x + 4)(x - 1) = -5$

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

(9) $6x^2 = -7x - 2$

(10) $20x^2 + 63x + 49 = 0$

(11) $(x + 1)(x - 3) = 12$

(12) $3x^2 + 10x + 6 = 0$

(13) $2x^2 = -7x - 6$

(14) $3x^2 = 9x + 12$

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

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

二次方程式 整理してから解く（16問）　版G

組　番　　なまえ：＿＿＿＿＿＿＿＿＿＿　　／16問

(1) $6x^2 - x - 35 = 0$

(2) $8x^2 + 10x - 7 = 0$

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

(4) $2x^2 + x - 21 = 0$

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

(6) $5x^2 - 12x - 9 = 0$

(7) $(x - 5)(x + 3) = -1$

(8) $x^2 = -7x - 12$

(9) $x^2 = -8x - 12$

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

(11) $(x + 4)(x + 1) = 10$

(12) $4x^2 - 6x + 1 = 0$

(13) $20x^2 + 11x - 4 = 0$

(14) $9x^2 = 3x + 2$

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

(16) $(x - 3)(x - 6) = 9$

二次方程式 整理してから解く（16問）　版H

組　番　　なまえ：＿＿＿＿＿＿＿＿＿＿　　／16問

(1) $10x^2 - 39x + 14 = 0$

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

(3) $8x^2 - 6x - 35 = 0$

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

(5) $10x^2 + 47x + 42 = 0$

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

(7) $4x^2 - 12x + 7 = 0$

(8) $25x^2 + 15x + 2 = 0$

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

(10) $6x^2 = -13x - 6$

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

(12) $(x - 5)(x - 4) = 4$

(13) $6x^2 = -13x + 5$

(14) $(x - 3)(x + 4) = 12$

(15) $4x^2 + 12x + 7 = 0$

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

二次方程式 整理してから解く（16問）　版I

組　番　　なまえ：＿＿＿＿＿＿＿＿＿＿　　／16問

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

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

(3) $2x^2 + 15x + 25 = 0$

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

(5) $12x^2 - 13x - 35 = 0$

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

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

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

(9) $2x^2 - 11x - 6 = 0$

(10) $3x^2 = -7x + 6$

(11) $20x^2 - 13x - 15 = 0$

(12) $3x^2 + 13x - 30 = 0$

(13) $2x^2 = 4x + 6$

(14) $3x^2 = 13x - 12$

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

(16) $(x - 6)(x + 5) = 8$

二次方程式 整理してから解く（16問）　版J

組　番　　なまえ：＿＿＿＿＿＿＿＿＿＿　　／16問

(1) $4x^2 + 7x + 3 = 0$

(2) $9x^2 = -21x - 6$

(3) $6x^2 = 21x - 15$

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

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

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

(7) $3x^2 + 14x - 24 = 0$

(8) $(x + 5)(x - 5) = -12$

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

(10) $25x^2 + 35x + 12 = 0$

(11) $(x - 4)(x + 6) = 5$

(12) $16x^2 - 40x + 21 = 0$

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

(14) $25x^2 - 4 = 0$

(15) $2x^2 - 3x - 14 = 0$

(16) $2x^2 = -7x - 6$

二次方程式 整理してから解く（16問）　版K

組　番　　なまえ：＿＿＿＿＿＿＿＿＿＿　　／16問

(1) $6x^2 = -20x - 6$

(2) $15x^2 - 19x + 6 = 0$

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

(4) $20x^2 - 63x + 49 = 0$

(5) $12x^2 + 35x + 25 = 0$

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

(7) $6x^2 = -11x + 10$

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

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

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

(11) $(x + 3)(x - 2) = 12$

(12) $8x^2 + 2x - 15 = 0$

(13) $5x^2 - 10x - 3 = 0$

(14) $(x - 3)(x - 3) = 12$

(15) $9x^2 = 3x + 20$

(16) $25x^2 - 1 = 0$

二次方程式 整理してから解く（16問）　版L

組　番　　なまえ：＿＿＿＿＿＿＿＿＿＿　　／16問

(1) $6x^2 = 18x - 12$

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

(3) $20x^2 + 11x - 4 = 0$

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

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

(6) $2x^2 = 12x - 10$

(7) $5x^2 + 28x + 15 = 0$

(8) $2x^2 = -12x - 16$

(9) $8x^2 + 6x - 35 = 0$

(10) $6x^2 = 30x - 36$

(11) $(x + 3)(x + 6) = 5$

(12) $5x^2 - 21x - 20 = 0$

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

(14) $(x - 4)(x - 6) = 6$

(15) $16x^2 + 8x - 15 = 0$

(16) $20x^2 + 33x + 7 = 0$

二次方程式 整理してから解く（16問）　版M

組　番　　なまえ：＿＿＿＿＿＿＿＿＿＿　　／16問

(1) $20x^2 - 43x + 21 = 0$

(2) $20x^2 - x - 30 = 0$

(3) $(x - 3)(x + 2) = 12$

(4) $6x^2 = -8x + 8$

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

(6) $25x^2 + 40x + 12 = 0$

(7) $20x^2 + 29x + 6 = 0$

(8) $10x^2 - 37x + 7 = 0$

(9) $(x + 6)(x + 5) = 6$

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

(11) $3x^2 + 10x - 3 = 0$

(12) $4x^2 + 2x - 7 = 0$

(13) $10x^2 - 13x - 30 = 0$

(14) $4x^2 - 6x + 1 = 0$

(15) $6x^2 = -7x - 2$

(16) $(x + 5)(x + 4) = 1$

二次方程式 整理してから解く（16問）　版N

組　番　　なまえ：＿＿＿＿＿＿＿＿＿＿　　／16問

(1) $16x^2 - 8x - 15 = 0$

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

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

(4) $20x^2 + 17x - 10 = 0$

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

(6) $15x^2 - 2x - 8 = 0$

(7) $(x - 6)(x + 3) = 7$

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

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

(10) $8x^2 - 30x + 7 = 0$

(11) $12x^2 + 23x + 5 = 0$

(12) $6x^2 = 10x - 4$

(13) $3x^2 - 8x - 4 = 0$

(14) $2x^2 = 14x - 12$

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

(16) $(x - 1)(x + 3) = 9$

二次方程式 整理してから解く（16問）　版O

組　番　　なまえ：＿＿＿＿＿＿＿＿＿＿　　／16問

(1) $10x^2 - 37x + 30 = 0$

(2) $(x - 4)(x + 2) = 1$

(3) $4x^2 = -18x - 18$

(4) $3x^2 = -11x + 20$

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

(6) $4x^2 + 17x - 15 = 0$

(7) $9x^2 + 6x - 35 = 0$

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

(9) $4x^2 + 25x + 25 = 0$

(10) $4x^2 - 15x + 14 = 0$

(11) $3x^2 - 10x + 6 = 0$

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

(13) $3x^2 = -21x - 30$

(14) $(x - 1)(x - 4) = 9$

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

(16) $(x + 1)(x + 6) = 4$

二次方程式 整理してから解く（16問）　版P

組　番　　なまえ：＿＿＿＿＿＿＿＿＿＿　　／16問

(1) $9x^2 = -18x - 5$

(2) $(x - 3)(x + 4) = 6$

(3) $10x^2 - 21x - 10 = 0$

(4) $5x^2 + 12x + 1 = 0$

(5) $8x^2 - 22x + 5 = 0$

(6) $15x^2 + 32x + 16 = 0$

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

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

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

(10) $(x - 4)(x + 1) = 11$

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

(12) $2x^2 = -9x + 18$

(13) $4x^2 + 29x + 30 = 0$

(14) $2x^2 + 15x + 7 = 0$

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

(16) $16x^2 - 32x + 7 = 0$

二次方程式 整理してから解く（16問）　版Q

組　番　　なまえ：＿＿＿＿＿＿＿＿＿＿　　／16問

(1) $8x^2 - 30x + 25 = 0$

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

(3) $(x - 5)(x + 5) = 6$

(4) $6x^2 - 13x - 28 = 0$

(5) $4x^2 = -6x + 18$

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

(7) $15x^2 + 26x - 21 = 0$

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

(9) $3x^2 + 6x - 5 = 0$

(10) $3x^2 = -4x - 1$

(11) $15x^2 + 4x - 3 = 0$

(12) $6x^2 + 5x - 4 = 0$

(13) $5x^2 - 16x + 12 = 0$

(14) $2x^2 = 5x + 25$

(15) $(x + 6)(x - 2) = -3$

(16) $5x^2 - 12x + 3 = 0$

二次方程式 整理してから解く（16問）　版Aの答え

※ まず「～ = 0」の形に直したかを確認してください。

---

(1) $4x^2 + 27x - 7 = 0$
$x = -7, \frac{1}{4}$

(2) $4x^2 + 12x + 5 = 0$
$x = -\frac{5}{2}, -\frac{1}{2}$

(3) $2x^2 - 12x - 7 = 0$
$x = \frac{6 \pm 5\sqrt{2}}{2}$

(4) $6x^2 = 7x - 2$
$x = \frac{1}{2}, \frac{2}{3}$

(5) $3x^2 + 5x + 2 = 0$
$x = -1, -\frac{2}{3}$

(6) $20x^2 - 39x + 7 = 0$
$x = \frac{1}{5}, \frac{7}{4}$

(7) $4x^2 = 8x + 12$
$x = -1, 3$

(8) $3x^2 = 4x - 1$
$x = \frac{1}{3}, 1$

(9) $(x + 5)(x + 4) = 8$
$x = \frac{-9 \pm \sqrt{33}}{2}$

(10) $(x - 5)(x + 6) = 1$
$x = \frac{-1 \pm 5\sqrt{5}}{2}$

(11) $5x^2 + 27x + 28 = 0$
$x = -4, -\frac{7}{5}$

(12) $2x^2 - 12x + 3 = 0$
$x = \frac{6 \pm \sqrt{30}}{2}$

(13) $4x^2 + 12x - 3 = 0$
$x = \frac{-3 \pm 2\sqrt{3}}{2}$

(14) $6x^2 = -5x + 4$
$x = -\frac{4}{3}, \frac{1}{2}$

(15) $5x^2 - 34x + 24 = 0$
$x = \frac{4}{5}, 6$

(16) $(x - 3)(x + 6) = 5$
$x = \frac{-3 \pm \sqrt{101}}{2}$

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) $3x^2 = -11x + 4$
$x = -4, \frac{1}{3}$

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

(3) $25x^2 - 20x - 21 = 0$
$x = -\frac{3}{5}, \frac{7}{5}$

(4) $9x^2 = -12x + 5$
$x = -\frac{5}{3}, \frac{1}{3}$

(5) $3x^2 = -4x + 15$
$x = -3, \frac{5}{3}$

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

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

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

(9) $8x^2 + 26x + 21 = 0$
$x = -\frac{7}{4}, -\frac{3}{2}$

(10) $20x^2 - 39x + 7 = 0$
$x = \frac{1}{5}, \frac{7}{4}$

(11) $20x^2 + 43x + 21 = 0$
$x = -\frac{7}{5}, -\frac{3}{4}$

(12) $16x^2 - 1 = 0$
$x = -\frac{1}{4}, \frac{1}{4}$

(13) $9x^2 - 3x - 2 = 0$
$x = -\frac{1}{3}, \frac{2}{3}$

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

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

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

二次方程式 整理してから解く（16問）　版Cの答え

※ まず「～ = 0」の形に直したかを確認してください。

---

(1) $6x^2 = -26x - 24$
$x = -3, -4/3$

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

(3) $2x^2 - 10x + 3 = 0$
$x = (5 \pm \sqrt{19})/2$

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

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

(6) $(x + 1)(x - 6) = -7$
$x = (5 \pm \sqrt{21})/2$

(7) $12x^2 - 23x + 10 = 0$
$x = 2/3, 5/4$

(8) $9x^2 = 21x - 10$
$x = 2/3, 5/3$

(9) $15x^2 + 26x - 21 = 0$
$x = -7/3, 3/5$

(10) $2x^2 - 9x + 7 = 0$
$x = 1, 7/2$

(11) $(x + 6)(x + 6) = 9$
$x = -9, -3$

(12) $(x + 1)(x + 5) = 12$
$x = -7, 1$

(13) $3x^2 = -13x - 4$
$x = -4, -1/3$

(14) $6x^2 + 11x - 7 = 0$
$x = -7/3, 1/2$

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

(16) $6x^2 - 19x + 15 = 0$
$x = 3/2, 5/3$

二次方程式 整理してから解く（16問）　版Dの答え

※ まず「～ = 0」の形に直したかを確認してください。

---

(1) $3x^2 + 10x - 3 = 0$
$x = (-5 \pm \sqrt{34})/3$

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

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

(4) $6x^2 = -18x - 12$
$x = -2, -1$

(5) $(x - 4)(x + 3) = 10$
$x = (1 \pm \sqrt{89})/2$

(6) $12x^2 + 17x - 7 = 0$
$x = -7/4, 1/3$

(7) $6x^2 = 19x - 15$
$x = 3/2, 5/3$

(8) $2x^2 = -4x + 6$
$x = -3, 1$

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

(10) $2x^2 = -4x + 30$
$x = -5, 3$

(11) $10x^2 + 27x + 18 = 0$
$x = -3/2, -6/5$

(12) $20x^2 - 33x + 10 = 0$
$x = 2/5, 5/4$

(13) $20x^2 - 13x - 15 = 0$
$x = -3/5, 5/4$

(14) $20x^2 + 27x - 14 = 0$
$x = -7/4, 2/5$

(15) $5x^2 + 4x - 7 = 0$
$x = (-2 \pm \sqrt{39})/5$

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

二次方程式 整理してから解く（16問）　版Eの答え

※ まず「～ = 0」の形に直したかを確認してください。

---

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

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

二次方程式 整理してから解く（16問）　版Fの答え

※ まず「～ = 0」の形に直したかを確認してください。

---

(1) $10x^2 + 21x - 49 = 0$
$x = -7/2, 7/5$

(2) $16x^2 + 32x + 15 = 0$
$x = -5/4, -3/4$

(3) $9x^2 - 9x - 28 = 0$
$x = -4/3, 7/3$

(4) $10x^2 + 29x + 10 = 0$
$x = -5/2, -2/5$

(5) $5x^2 - 10x - 6 = 0$
$x = (5 \pm \sqrt{55})/5$

(6) $2x^2 + 11x + 14 = 0$
$x = -7/2, -2$

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

(8) $5x^2 - 8x - 2 = 0$
$x = (4 \pm \sqrt{26})/5$

(9) $6x^2 = -7x - 2$
$x = -2/3, -1/2$

(10) $20x^2 + 63x + 49 = 0$
$x = -7/4, -7/5$

(11) $(x + 1)(x - 3) = 12$
$x = -3, 5$

(12) $3x^2 + 10x + 6 = 0$
$x = (-5 \pm \sqrt{7})/3$

(13) $2x^2 = -7x - 6$
$x = -2, -3/2$

(14) $3x^2 = 9x + 12$
$x = -1, 4$

(15) $x^2 = -4x - 3$
$x = -3, -1$

(16) $(x + 2)(x - 5) = 9$
$x = (3 \pm \sqrt{85})/2$

二次方程式 整理してから解く（16問）　版Gの答え

※ まず「～ = 0」の形に直したかを確認してください。

---

(1) $6x^2 - x - 35 = 0$
$x = -7/3,\ 5/2$

(2) $8x^2 + 10x - 7 = 0$
$x = -7/4,\ 1/2$

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

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

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

(6) $5x^2 - 12x - 9 = 0$
$x = -3/5,\ 3$

(7) $(x - 5)(x + 3) = -1$
$x = 1 \pm \sqrt{15}$

(8) $x^2 = -7x - 12$
$x = -4,\ -3$

(9) $x^2 = -8x - 12$
$x = -6,\ -2$

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

(11) $(x + 4)(x + 1) = 10$
$x = -6,\ 1$

(12) $4x^2 - 6x + 1 = 0$
$x = (3 \pm \sqrt{5})/4$

(13) $20x^2 + 11x - 4 = 0$
$x = -4/5,\ 1/4$

(14) $9x^2 = 3x + 2$
$x = -1/3,\ 2/3$

(15) $2x^2 = x + 6$
$x = -3/2,\ 2$

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

二次方程式 整理してから解く（16問）　版Hの答え

※ まず「～ = 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) $5x^2 - 3x - 2 = 0$
$x = -2/5, 1$

二次方程式 整理してから解く（16問）　版Iの答え

※ まず「～ = 0」の形に直したかを確認してください。

---

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

(2) $(x - 6)(x + 1) = 5$
$x = (5 \pm \sqrt{69})/2$

(3) $2x^2 + 15x + 25 = 0$
$x = -5,\ -5/2$

(4) $3x^2 = -10x - 3$
$x = -3,\ -1/3$

(5) $12x^2 - 13x - 35 = 0$
$x = -5/4,\ 7/3$

(6) $3x^2 - 10x + 4 = 0$
$x = (5 \pm \sqrt{13})/3$

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

(8) $2x^2 - 6x + 1 = 0$
$x = (3 \pm \sqrt{7})/2$

(9) $2x^2 - 11x - 6 = 0$
$x = -1/2,\ 6$

(10) $3x^2 = -7x + 6$
$x = -3,\ 2/3$

(11) $20x^2 - 13x - 15 = 0$
$x = -3/5,\ 5/4$

(12) $3x^2 + 13x - 30 = 0$
$x = -6,\ 5/3$

(13) $2x^2 = 4x + 6$
$x = -1,\ 3$

(14) $3x^2 = 13x - 12$
$x = 4/3,\ 3$

(15) $5x^2 + 2x - 1 = 0$
$x = (-1 \pm \sqrt{6})/5$

(16) $(x - 6)(x + 5) = 8$
$x = (1 \pm 3\sqrt{17})/2$

二次方程式 整理してから解く（16問）　版Jの答え

※ まず「～ = 0」の形に直したかを確認してください。

---

(1) $4x^2 + 7x + 3 = 0$
$x = -1, -3/4$

(2) $9x^2 = -21x - 6$
$x = -2, -1/3$

(3) $6x^2 = 21x - 15$
$x = 1, 5/2$

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

(5) $2x^2 - 12x + 1 = 0$
$x = (6 \pm \sqrt{34})/2$

(6) $5x^2 - 2x - 4 = 0$
$x = (1 \pm \sqrt{21})/5$

(7) $3x^2 + 14x - 24 = 0$
$x = -6, 4/3$

(8) $(x + 5)(x - 5) = -12$
$x = \pm\sqrt{13}$

(9) $(x + 5)(x - 2) = -5$
$x = (-3 \pm \sqrt{29})/2$

(10) $25x^2 + 35x + 12 = 0$
$x = -4/5, -3/5$

(11) $(x - 4)(x + 6) = 5$
$x = -1 \pm \sqrt{30}$

(12) $16x^2 - 40x + 21 = 0$
$x = 3/4, 7/4$

(13) $2x^2 - 2x - 3 = 0$
$x = (1 \pm \sqrt{7})/2$

(14) $25x^2 - 4 = 0$
$x = -2/5, 2/5$

(15) $2x^2 - 3x - 14 = 0$
$x = -2, 7/2$

(16) $2x^2 = -7x - 6$
$x = -2, -3/2$

二次方程式 整理してから解く（16問）　版Kの答え

※ まず「～ = 0」の形に直したかを確認してください。

---

(1) $6x^2 = -20x - 6$
$x = -3, -1/3$

(2) $15x^2 - 19x + 6 = 0$
$x = 3/5, 2/3$

(3) $15x^2 - 4x - 3 = 0$
$x = -1/3, 3/5$

(4) $20x^2 - 63x + 49 = 0$
$x = 7/5, 7/4$

(5) $12x^2 + 35x + 25 = 0$
$x = -5/3, -5/4$

(6) $(x - 6)(x + 2) = -9$
$x = 2 \pm \sqrt{7}$

(7) $6x^2 = -11x + 10$
$x = -5/2, 2/3$

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

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

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

(11) $(x + 3)(x - 2) = 12$
$x = (-1 \pm \sqrt{73})/2$

(12) $8x^2 + 2x - 15 = 0$
$x = -3/2, 5/4$

(13) $5x^2 - 10x - 3 = 0$
$x = (5 \pm 2\sqrt{10})/5$

(14) $(x - 3)(x - 3) = 12$
$x = 3 \pm 2\sqrt{3}$

(15) $9x^2 = 3x + 20$
$x = -4/3, 5/3$

(16) $25x^2 - 1 = 0$
$x = -1/5, 1/5$

二次方程式 整理してから解く（16問）　版Lの答え

※ まず「～ = 0」の形に直したかを確認してください。

---

(1) $6x^2 = 18x - 12$
$x = 1, 2$

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

(3) $20x^2 + 11x - 4 = 0$
$x = -4/5, 1/4$

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

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

(6) $2x^2 = 12x - 10$
$x = 1, 5$

(7) $5x^2 + 28x + 15 = 0$
$x = -5, -3/5$

(8) $2x^2 = -12x - 16$
$x = -4, -2$

(9) $8x^2 + 6x - 35 = 0$
$x = -5/2, 7/4$

(10) $6x^2 = 30x - 36$
$x = 2, 3$

(11) $(x + 3)(x + 6) = 5$
$x = (-9 \pm \sqrt{29})/2$

(12) $5x^2 - 21x - 20 = 0$
$x = -4/5, 5$

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

(14) $(x - 4)(x - 6) = 6$
$x = 5 \pm \sqrt{7}$

(15) $16x^2 + 8x - 15 = 0$
$x = -5/4, 3/4$

(16) $20x^2 + 33x + 7 = 0$
$x = -7/5, -1/4$

二次方程式 整理してから解く（16問）　版Mの答え

※ まず「～ = 0」の形に直したかを確認してください。

---

(1) $20x^2 - 43x + 21 = 0$
$x = 3/4,\ 7/5$

(2) $20x^2 - x - 30 = 0$
$x = -6/5,\ 5/4$

(3) $(x - 3)(x + 2) = 12$
$x = (1 \pm \sqrt{73})/2$

(4) $6x^2 = -8x + 8$
$x = -2,\ 2/3$

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

(6) $25x^2 + 40x + 12 = 0$
$x = -6/5,\ -2/5$

(7) $20x^2 + 29x + 6 = 0$
$x = -6/5,\ -1/4$

(8) $10x^2 - 37x + 7 = 0$
$x = 1/5,\ 7/2$

(9) $(x + 6)(x + 5) = 6$
$x = -8,\ -3$

(10) $9x^2 = 9x - 2$
$x = 1/3,\ 2/3$

(11) $3x^2 + 10x - 3 = 0$
$x = (-5 \pm \sqrt{34})/3$

(12) $4x^2 + 2x - 7 = 0$
$x = (-1 \pm \sqrt{29})/4$

(13) $10x^2 - 13x - 30 = 0$
$x = -6/5,\ 5/2$

(14) $4x^2 - 6x + 1 = 0$
$x = (3 \pm \sqrt{5})/4$

(15) $6x^2 = -7x - 2$
$x = -2/3,\ -1/2$

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

二次方程式 整理してから解く（16問）　版Nの答え

※ まず「～ = 0」の形に直したかを確認してください。

---

(1) $16x^2 - 8x - 15 = 0$
$x = -3/4,\ 5/4$

(2) $(x - 1)(x - 6) = -2$
$x = (7 \pm \sqrt{17})/2$

(3) $2x^2 + 12x - 5 = 0$
$x = (-6 \pm \sqrt{46})/2$

(4) $20x^2 + 17x - 10 = 0$
$x = -5/4,\ 2/5$

(5) $2x^2 = -11x + 6$
$x = -6,\ 1/2$

(6) $15x^2 - 2x - 8 = 0$
$x = -2/3,\ 4/5$

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

(8) $8x^2 + 6x - 5 = 0$
$x = -5/4,\ 1/2$

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

(10) $8x^2 - 30x + 7 = 0$
$x = 1/4,\ 7/2$

(11) $12x^2 + 23x + 5 = 0$
$x = -5/3,\ -1/4$

(12) $6x^2 = 10x - 4$
$x = 2/3,\ 1$

(13) $3x^2 - 8x - 4 = 0$
$x = (4 \pm 2\sqrt{7})/3$

(14) $2x^2 = 14x - 12$
$x = 1,\ 6$

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

(16) $(x - 1)(x + 3) = 9$
$x = -1 \pm \sqrt{13}$

二次方程式 整理してから解く（16問）　版Oの答え

※ まず「～ = 0」の形に直したかを確認してください。

---

(1) $10x^2 - 37x + 30 = 0$
$x = 6/5, 5/2$

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

(3) $4x^2 = -18x - 18$
$x = -3, -3/2$

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

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

(6) $4x^2 + 17x - 15 = 0$
$x = -5, 3/4$

(7) $9x^2 + 6x - 35 = 0$
$x = -7/3, 5/3$

(8) $2x^2 + 10x - 5 = 0$
$x = (-5 \pm \sqrt{35})/2$

(9) $4x^2 + 25x + 25 = 0$
$x = -5, -5/4$

(10) $4x^2 - 15x + 14 = 0$
$x = 7/4, 2$

(11) $3x^2 - 10x + 6 = 0$
$x = (5 \pm \sqrt{7})/3$

(12) $9x^2 - 3x - 2 = 0$
$x = -1/3, 2/3$

(13) $3x^2 = -21x - 30$
$x = -5, -2$

(14) $(x - 1)(x - 4) = 9$
$x = (5 \pm 3\sqrt{5})/2$

(15) $3x^2 - 2x - 6 = 0$
$x = (1 \pm \sqrt{19})/3$

(16) $(x + 1)(x + 6) = 4$
$x = (-7 \pm \sqrt{41})/2$

二次方程式 整理してから解く（16問）　版Pの答え

※ まず「～ = 0」の形に直したかを確認してください。

---

(1) $9x^2 = -18x - 5$
$x = -5/3, -1/3$

(2) $(x - 3)(x + 4) = 6$
$x = (-1 \pm \sqrt{73})/2$

(3) $10x^2 - 21x - 10 = 0$
$x = -2/5, 5/2$

(4) $5x^2 + 12x + 1 = 0$
$x = (-6 \pm \sqrt{31})/5$

(5) $8x^2 - 22x + 5 = 0$
$x = 1/4, 5/2$

(6) $15x^2 + 32x + 16 = 0$
$x = -4/3, -4/5$

(7) $5x^2 - 2x - 8 = 0$
$x = (1 \pm \sqrt{41})/5$

(8) $3x^2 = -8x + 3$
$x = -3, 1/3$

(9) $2x^2 - 4x - 5 = 0$
$x = (2 \pm \sqrt{14})/2$

(10) $(x - 4)(x + 1) = 11$
$x = (3 \pm \sqrt{69})/2$

(11) $9x^2 = 9x - 2$
$x = 1/3, 2/3$

(12) $2x^2 = -9x + 18$
$x = -6, 3/2$

(13) $4x^2 + 29x + 30 = 0$
$x = -6, -5/4$

(14) $2x^2 + 15x + 7 = 0$
$x = -7, -1/2$

(15) $(x - 5)(x + 3) = -2$
$x = 1 \pm \sqrt{14}$

(16) $16x^2 - 32x + 7 = 0$
$x = 1/4, 7/4$

二次方程式 整理してから解く（16問）　版Qの答え

※ まず「～ = 0」の形に直したかを確認してください。

---

(1) $8x^2 - 30x + 25 = 0$
$x = 5/4,\ 5/2$

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

(3) $(x - 5)(x + 5) = 6$
$x = \pm\sqrt{31}$

(4) $6x^2 - 13x - 28 = 0$
$x = -4/3,\ 7/2$

(5) $4x^2 = -6x + 18$
$x = -3,\ 3/2$

(6) $2x^2 = -7x - 5$
$x = -5/2,\ -1$

(7) $15x^2 + 26x - 21 = 0$
$x = -7/3,\ 3/5$

(8) $(x - 2)(x + 4) = 10$
$x = -1 \pm \sqrt{19}$

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

(10) $3x^2 = -4x - 1$
$x = -1,\ -1/3$

(11) $15x^2 + 4x - 3 = 0$
$x = -3/5,\ 1/3$

(12) $6x^2 + 5x - 4 = 0$
$x = -4/3,\ 1/2$

(13) $5x^2 - 16x + 12 = 0$
$x = 6/5,\ 2$

(14) $2x^2 = 5x + 25$
$x = -5/2,\ 5$

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

(16) $5x^2 - 12x + 3 = 0$
$x = (6 \pm \sqrt{21})/5$