

39  $x^2 - 6x + 8 = 0$

40  $x^2 - 8x + 15 = 0$

41  $x^2 - 14x + 49 = 0$

42  $x^2 + 3x + 5 = 0$

43  $-x^2 + 5x - 6 = 0$

44  $x^2 + 12x + 36 = 0$

45  $2x^2 - 3x - 5 = 0$

46  $5x^2 - 12x = 0$

47  $4x^2 - 25 = 0$

48  $9x^2 - 100 = 0$

49  $4x^2 - 4x + 7 = 0$

50  $-7x^2 + 19x + 6 = 0$

51  $50x^2 - 40x + 8 = 0$

52  $-6x^2 + 23x - 7 = 0$

53  $-3x^2 + 4x - 7 = 0$

54  $-25x^2 - 16x = 0$

55  $4x^2 - 12x + 9 = 0$

56  $48x^2 + 24x + 3 = 0$

57  $5x^2 + 2x - 3 = 0$

58  $9x^2 + 10x + 3 = 0$

59  $-7x^2 + 3x - 4 = 0$

60  $3x^2 + 27x = 0$

61  $\frac{1}{4}x^2 + \frac{5}{3}x + 1 = 0$

62  $\frac{1}{3}x^2 - \frac{1}{2}x + \frac{5}{4} = 0$

63  $\frac{1}{2}x^2 - \frac{7}{3}x - 4 = 0$

$x^2 - 4x + 3 = 0$

$x^2 + x - 6 = 0$

$x^2 + 7x + 10 = 0$

$x^2 + 4x + 5 = 0$

$-x^2 + 2x + 8 = 0$

$x^2 + 3x + 9 = 0$

$3x^2 - 9x = 0$

$4x^2 - 20x + 25 = 0$

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

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

$-3x^2 - 4x + 15 = 0$

$36 - 49x^2 = 0$

$-6x^2 + 13x - 5 = 0$

$12x^2 + 60x + 75 = 0$

$-25x^2 - 36 = 0$

$8x^2 + 13x - 6 = 0$

$-10x^2 - 13x + 3 = 0$

$50x^2 - 40x + 8 = 0$

$-7x^2 + 3x + 4 = 0$

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

$3x^2 + 27 = 0$

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

$\frac{1}{3}x^2 - \frac{5}{12}x - \frac{1}{8} = 0$

$\frac{1}{7}x^2 + \frac{11}{14}x + 1 = 0$

$\frac{1}{12}x^2 - \frac{11}{12}x + 2 = 0$

2, 4

3, 5, -1

7, -5

imp.

2, 3, -2

-6

-1,  $\frac{5}{2}$

0,  $\frac{12}{5}$

$-\frac{5}{2}, \frac{5}{2}, -1$

$-\frac{10}{3}, \frac{10}{3}, -\frac{3}{4}$

imp., -3

$-\frac{2}{7}, 3, -\frac{6}{7}$

$\frac{2}{5}, \frac{1}{5}, \frac{3}{5}$

$\frac{1}{3}, \frac{7}{2}, \frac{5}{4}$

imp., imp.

$-\frac{16}{25}, 0, -2$

$\frac{3}{2}, -\frac{3}{2}, \frac{1}{2}$

$-\frac{1}{4}, \frac{1}{5}$

-1,  $\frac{3}{5}, -\frac{4}{7}$

imp.,  $-\frac{3}{2}$

imp., imp.

-9, 0, -3

-6,  $-\frac{2}{3}, -\frac{1}{4}$

imp.,  $-\frac{7}{2}$

$-\frac{4}{3}, 6, 3$

- 64  $\frac{4}{9}x^2 - 1 = 0$   $-\frac{3}{2}, \frac{3}{2}; -\frac{3}{8}, 0$
- 65  $x^2 + 2\sqrt{2}x - 6 = 0$   $-3\sqrt{2}, \sqrt{2}$
- 66  $x^2 + 2\sqrt{2}x - 2 = 0$   $-2 - \sqrt{2}, 2 - \sqrt{2}$
- 67  $x^2 - 2\sqrt{3}x - 1 = 0$   $\sqrt{3} - 2, \sqrt{3} + 2$
- 68  $3x^2 - 4\sqrt{3}x + 1 = 0$   $\frac{2\sqrt{3}}{3} - 1, \frac{2\sqrt{3}}{3} + 1$
- 69  $2x^2 + 2\sqrt{5}x + 2 = 0$   $\frac{-1 - \sqrt{5}}{2}, \frac{1 - \sqrt{5}}{2}$
- 70  $3x^2 - 4\sqrt{2}x + 2 = 0$   $\frac{\sqrt{2}}{3}, \sqrt{2}$
- 71  $5x^2 - 2\sqrt{3}x + 4 = 0$  imp.
- 72  $\frac{2}{3}x^2 - \frac{1}{2}x + \frac{3}{2} = 0$  imp.
- 73  $\frac{1}{3}x^2 - \frac{11}{6}x + 2 = 0$   $\frac{3}{2}, 4$
- 74  $3x^2 + 2\sqrt{7}x + 1 = 0$   $\frac{-2 - \sqrt{7}}{3}, \frac{2 - \sqrt{7}}{3}$
- 75  $x(3x + 2) - 3(3x + 1) = 2x(x - 5) + 1$   $-4, 1$
- 76  $(4x + 3)(2x - 1) + 15 = (7x - 3)(x + 2)$   $3, 6$
- 77  $(2x + 1)(x - 4) + 3(x - 5) + 44 = (x + 3)(x - 2) + 5(2x - 1)$   $3, 12$
- 78  $(5x + 2)(2x - 7) + 3(4x - 9) = (3x - 5)(3x - 2) + 11x + 39$   $-6, 15$
- 79  $4(x^2 - 3x + 5) - 2(3x^2 + 5x - 4) + 2(x^2 + 11x - 14) = 0$  ind.
- 80  $(7x + 3)(2x + 1) - (5x + 9)(3x - 2) + (x + 3)(x - 5) = 6(2 - x)$  imp.
- 81  $(3x + 5)(2 - 5x) + (7x + 1)(2x - 4) + 3(x^2 - 4x + 2) = x(x - 56)$  imp.
- 82  $(4x - 9)(3 - 5x) + (8x + 3)(2x + 5) + 4x(x - 3) = x(x + 80) - (x - 24)$   $6$
- 83  $(2x - 1)^2 + (x + 2)(2x - 1) = (2x + 5)(2x - 5) + 3(x - 4)$  imp.
- 84  $(4x - 3)^2 + (3x - 4)(2x + 5) - (5x + 3)(5x - 3) = (x - 1)(x - 12) - 13$   $-\frac{1}{2}$
- 85  $(3x + 5)^2 - (2x + 3)^2 + x(x + 2)(x - 3) = (x + 2)(x^2 - 2x + 4)$   $-2, -1$
- 86  $[2(4 - x) + 3(2x - 5) - (3 - 4x)](x - 3) + (x + 5)^2 + (x - 7)(x + 7) + x^2 = 4x(2x - 5) + 7x - 4$   $\frac{5}{3}, 2$
- 87  $(2x - 3)(x + 4) - \{4x + 2x[(3x - 4)(2 - x) - 3x(2x - 1) + 5] + x(2x - 1)\} + 2x^2 = 6x(3x^2 - 4x) +$   
 $-2x(x + 4) + 6x$   $-6, 1$
- 88  $(x^2 + 2x + 3)(x^2 - 2x - 3) - (x - 2)(x + 2)(x^2 + 4) + (2x + 5)^2 + x^2 = 8[(2x - 9)(x + 7) +$   
 $-2x(x + 2) + 67] + 1$   $-1, 1$
- 89  $x(3x^2 - 1) - [x(5x - 1)(5x + 1) - 25(x + 1)^2] + x(x - 49) = (2x^2 - 3x + 4)^2 - 5x(2x^2 - 5) +$   
 $-(2x^2 - 3)(2x^2 + 3)$   $0$
- 90  $(2x + 3)^3 - (3x - 5)^2 - (2x + 3)(4x^2 - 6x + 9) + (4x - 3)(4x + 3) = 5(3x + 4)^2 - 152$   $-19, 1$