

[1] 次の2次方程式を解け。

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|---------------------------|--------------------------|---------------------------|
| (1) $x^2 = 7$ | (2) $4x^2 - 5 = 0$ | (3) $(x+1)^2 = 2$ |
| (4) $x^2 + x - 6 = 0$ | (5) $x^2 + 8x + 15 = 0$ | (6) $16x^2 - 24x + 9 = 0$ |
| (7) $2x^2 - 13x + 15 = 0$ | (8) $6x^2 + 7x - 5 = 0$ | (9) $4x^2 - 3x - 27 = 0$ |
| (10) $16x^2 = 25$ | (11) $4x^2 - 1 = 0$ | (12) $(2x+5)^2 - 7 = 0$ |
| (13) $x(x-9) = 0$ | (14) $x^2 - 5x + 4 = 0$ | (15) $x^2 - 4x = 0$ |
| (16) $2x^2 - x - 1 = 0$ | (17) $4x^2 + 7x - 2 = 0$ | (18) $8x^2 + 2x - 3 = 0$ |

[2] 次の2次方程式を解け。

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| (1) $2x^2 + 5x - 1 = 0$ | (2) $3x^2 + x - 3 = 0$ | (3) $x^2 - 7x + 4 = 0$ |
| (4) $x^2 - 2x - 5 = 0$ | (5) $2(x+1)^2 = 2x+5$ | (6) $x^2 + 4\sqrt{2}x + 8 = 0$ |
| (7) $(2x-1)^2 = 6$ | (8) $x^2 + 3x - 28 = 0$ | (9) $x^2 + 7x + 3 = 0$ |
| (10) $x^2 - 14x + 49 = 0$ | (11) $4x^2 - 7x - 15 = 0$ | (12) $3(x-1)^2 = 2x+1$ |
| (13) $2(x+1)^2 = (x+2)(x+3)$ | (14) $2(x+2)^2 - (x+2) - 3 = 0$ | |
| (15) $0.2x^2 - 0.5x - 1.2 = 0$ | (16) $\frac{1}{3}x^2 - \frac{5}{2}x + 1 = 0$ | |

[3] 次の2次方程式を解け。

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| (1) $x^2 + 5x + 5 = 0$ | (2) $x^2 - 7x + 8 = 0$ | (3) $2x^2 - 5x - 1 = 0$ |
| (4) $x^2 + 2x - 4 = 0$ | (5) $3x^2 + 6x + 2 = 0$ | (6) $2x^2 - 3x - 2 = 0$ |
| (7) $9x^2 + 12x + 4 = 0$ | (8) $x^2 + 2\sqrt{2}x - 3 = 0$ | (9) $2x^2 + 2\sqrt{6}x + 3 = 0$ |
| (10) $2x^2 - 3x = x^2 - 2$ | | (11) $(x+4)(x+5) = 3(x+1)(x+2) - 4$ |
| (12) $0.2x^2 + 0.5x - 1.2 = 0$ | | (13) $\frac{1}{6}x^2 + \frac{1}{4}x - \frac{3}{4} = 0$ |
| (14) $(x-2)^2 + 2(x-2) - 3 = 0$ | | (15) $(x-1)^2 + 3(x-1) - 1 = 0$ |