

【1】係数を整理して解く

$$(1) \quad x = \pm 3\sqrt{2}$$

$$(2) \quad x = \pm 4$$

$$(3) \quad x = \pm 3$$

$$(4) \quad x = \pm 2\sqrt{3}$$

$$(5) \quad x = \pm 6$$

$$(6) \quad x = \pm 9$$

$$(7) \quad x = \pm 5$$

$$(8) \quad x = \pm 4$$

【2】 $(x + a)^2 = b$ の形

$$(9) \quad x = -5 \pm 2\sqrt{3}$$

$$(10) \quad x = 6 \pm 2\sqrt{5}$$

$$(11) \quad x = -2 \pm 4\sqrt{2}$$

$$(12) \quad x = 3 \pm 3\sqrt{5}$$

$$(13) \quad x = 1, -2$$

$$(14) \quad x = 2, -\frac{2}{3}$$

$$(15) \quad x = \frac{3 \pm 2\sqrt{5}}{2}$$

$$(16) \quad x = \frac{-1 \pm 3\sqrt{3}}{3}$$

【3】平方の形にして解く

$$(17) \quad x = -4 \pm \sqrt{5}$$

$$(18) \quad x = 5 \pm \sqrt{7}$$

$$(19) \quad x = -6 \pm 2\sqrt{5}$$

$$(20) \quad x = 7 \pm 3\sqrt{2}$$

$$(21) \quad x = \frac{-1 \pm 2\sqrt{3}}{2}$$

$$(22) \quad x = \frac{2 \pm 3\sqrt{3}}{3}$$

$$(23) \quad x = \frac{5 \pm 2\sqrt{2}}{2}$$

$$(24) \quad x = \frac{-1 \pm \sqrt{10}}{3}$$

【4】平方根を使う解き方のまとめ

$$(25) \quad x = 2, -4$$

$$(26) \quad x = 5, -1$$

$$(27) \quad x = -1, -5$$

$$(28) \quad x = 4 \pm 2\sqrt{3}$$

$$(29) \quad x = -2 \pm \sqrt{7}$$

$$(30) \quad x = 5 \pm \sqrt{11}$$

$$(31) \quad x = -1 \pm 2\sqrt{2}$$

$$(32) \quad x = 1 \pm 3$$