



# 答え合わせ

$$(16) \quad 1x^2 + 5x + 2 = 0$$

$$\frac{-5 \pm \sqrt{5^2 - 4 \times 1 \times 2}}{2 \times 1} = \frac{-5 \pm \sqrt{25 - 8}}{2} = \frac{-5 \pm \sqrt{17}}{2}$$

$$(17) \quad 3x^2 - 5x - 4 = 0$$

$$\frac{-(-5) \pm \sqrt{(-5)^2 - 4 \times 3 \times (-4)}}{2 \times 3} = \frac{5 \pm \sqrt{25 + 48}}{6} = \frac{5 \pm \sqrt{73}}{6}$$

$$(18) \quad 1x^2 - 7x + 5 = 0$$

$$\frac{-(-7) \pm \sqrt{(-7)^2 - 4 \times 1 \times 5}}{2 \times 1} = \frac{7 \pm \sqrt{49 - 20}}{2} = \frac{7 \pm \sqrt{29}}{2}$$

$$(19) \quad 2x^2 - 1x - 7 = 0$$

$$\frac{-(-1) \pm \sqrt{(-1)^2 - 4 \times 2 \times (-7)}}{2 \times 2} = \frac{1 \pm \sqrt{1 + 56}}{4} = \frac{1 \pm \sqrt{57}}{4}$$

$$(20) \quad 5x^2 - 7x + 2 = 0$$

$$\frac{-(-7) \pm \sqrt{(-7)^2 - 4 \times 5 \times 2}}{2 \times 5} = \frac{7 \pm \sqrt{49 - 40}}{10} = \frac{7 \pm \sqrt{9}}{10} = \frac{7 \pm 3}{10}$$

$$\frac{7+3}{10} = \frac{10}{10} = 1 \quad \frac{7-3}{10} = \frac{4}{10} = \frac{2}{5}$$