

氏名 () 点数 _____

$$\begin{aligned}(1) \quad x^2 - x - 6 &= 0 \\ (x+2)(x-3) &= 0 \\ x &= \underline{-2, 3}\end{aligned}$$

$$\begin{aligned}(2) \quad x^2 + 10x + 21 &= 0 \\ (x+7)(x+3) &= 0 \\ x &= \underline{-7, -3}\end{aligned}$$

$$\begin{aligned}(3) \quad x^2 - 7x + 12 &= 0 \\ (x-4)(x-3) &= 0 \\ x &= \underline{4, 3}\end{aligned}$$

$$\begin{aligned}(4) \quad x^2 + 4x - 5 &= 0 \\ (x-1)(x+5) &= 0 \\ x &= \underline{1, -5}\end{aligned}$$

$$\begin{aligned}(5) \quad x^2 + 4x + 4 &= 0 \\ (x+2)^2 &= 0 \\ x &= \underline{-2}\end{aligned}$$

$$\begin{aligned}(6) \quad x^2 + 12x + 36 &= 0 \\ (x+6)^2 &= 0 \\ x &= \underline{-6}\end{aligned}$$

$$\begin{aligned}(7) \quad 10x^2 - 5x &= 0 \\ 2x^2 - x &= 0 \\ x(2x-1) &= 0 \\ x &= \underline{0, \frac{1}{2}}\end{aligned}$$

$$\begin{aligned}(8) \quad 6x^2 - 2x &= 0 \\ 3x^2 - x &= 0 \\ x(3x-1) &= 0 \\ x &= \underline{0, \frac{1}{3}}\end{aligned}$$

$$\begin{aligned}(9) \quad (x-2)(x-1) &= 12 \\ x^2 - 3x + 2 &= 12 \\ x^2 - 3x - 10 &= 0 \\ (x-5)(x+2) &= 0 \\ x &= \underline{5, -2}\end{aligned}$$

$$\begin{aligned}(10) \quad (x-1)^2 &= 2x + 13 \\ x^2 - 2x + 1 &= 2x + 13 \\ x^2 - 4x - 12 &= 0 \\ (x-6)(x+2) &= 0 \\ x &= \underline{6, -2}\end{aligned}$$