

Résolution d'Équations Quadratiques (B)

Calculer les solutions des équations suivantes.

$$1. \quad x^2 + x - 7 = 35$$

$$7. \quad x^2 + 3x - 12 = 16$$

$$2. \quad x^2 - 4x - 6 = 15$$

$$8. \quad x^2 - 12x + 2 = -25$$

$$3. \quad x^2 - x - 34 = 8$$

$$9. \quad x^2 - 6x + 3 = -5$$

$$4. \quad x^2 - 14x + 15 = -30$$

$$10. \quad x^2 - 7x + 8 = -4$$

$$5. \quad x^2 + 4x - 9 = 3$$

$$11. \quad x^2 + 9x + 11 = -3$$

$$6. \quad x^2 - 5x - 9 = 27$$

$$12. \quad x^2 - x - 4 = 8$$

Résolution d'Équations Quadratiques (B) Réponses

Calculer les solutions des équations suivantes.

$$\begin{aligned}1. \quad & x^2 + x - 7 = 35 \\& x^2 + x - 42 = 0 \\& (x - 6)(x + 7) = 0 \\& x = 6, -7\end{aligned}$$

$$\begin{aligned}2. \quad & x^2 - 4x - 6 = 15 \\& x^2 - 4x - 21 = 0 \\& (x - 7)(x + 3) = 0 \\& x = 7, -3\end{aligned}$$

$$\begin{aligned}3. \quad & x^2 - x - 34 = 8 \\& x^2 - x - 42 = 0 \\& (x - 7)(x + 6) = 0 \\& x = 7, -6\end{aligned}$$

$$\begin{aligned}4. \quad & x^2 - 14x + 15 = -30 \\& x^2 - 14x + 45 = 0 \\& (x - 9)(x - 5) = 0 \\& x = 9, 5\end{aligned}$$

$$\begin{aligned}5. \quad & x^2 + 4x - 9 = 3 \\& x^2 + 4x - 12 = 0 \\& (x + 6)(x - 2) = 0 \\& x = -6, 2\end{aligned}$$

$$\begin{aligned}6. \quad & x^2 - 5x - 9 = 27 \\& x^2 - 5x - 36 = 0 \\& (x - 9)(x + 4) = 0 \\& x = 9, -4\end{aligned}$$

$$\begin{aligned}7. \quad & x^2 + 3x - 12 = 16 \\& x^2 + 3x - 28 = 0 \\& (x + 7)(x - 4) = 0 \\& x = -7, 4\end{aligned}$$

$$\begin{aligned}8. \quad & x^2 - 12x + 2 = -25 \\& x^2 - 12x + 27 = 0 \\& (x - 3)(x - 9) = 0 \\& x = 3, 9\end{aligned}$$

$$\begin{aligned}9. \quad & x^2 - 6x + 3 = -5 \\& x^2 - 6x + 8 = 0 \\& (x - 2)(x - 4) = 0 \\& x = 2, 4\end{aligned}$$

$$\begin{aligned}10. \quad & x^2 - 7x + 8 = -4 \\& x^2 - 7x + 12 = 0 \\& (x - 4)(x - 3) = 0 \\& x = 4, 3\end{aligned}$$

$$\begin{aligned}11. \quad & x^2 + 9x + 11 = -3 \\& x^2 + 9x + 14 = 0 \\& (x + 2)(x + 7) = 0 \\& x = -2, -7\end{aligned}$$

$$\begin{aligned}12. \quad & x^2 - x - 4 = 8 \\& x^2 - x - 12 = 0 \\& (x - 4)(x + 3) = 0 \\& x = 4, -3\end{aligned}$$