

■ 次の等式を[]の中の文字について解きなさい。

$$\textcircled{1} \frac{a}{4} + b = \frac{1}{2} \quad [a]$$

$$\textcircled{2} 16xy = 8 - 4z \quad [x]$$

$$\textcircled{3} \frac{3y+z}{2x} = x \quad [y]$$

$$\textcircled{4} (a+b)x = 3c \quad [x]$$

$$\textcircled{5} (3a+1)b = \frac{2}{b} \quad [a]$$

$$\textcircled{6} \frac{2}{y} + xz - 3 = 0 \quad [x]$$

$$\textcircled{7} V = \frac{1}{2}(a+b)h \quad [h]$$

$$\textcircled{8} \frac{ab+2c}{x} = 1 \quad [c]$$

■ 次の等式を[]の中の文字について解きなさい。

$$\textcircled{1} \frac{a}{4} + b = \frac{1}{2} \quad [a]$$

$$a + 4b = 2$$

$$a = 2 - 4b$$

$$\textcircled{2} 16xy = 8 - 4z \quad [x]$$

$$x = \frac{1}{2y} - \frac{z}{4y}$$

$$\textcircled{3} \frac{3y+z}{2x} = x \quad [y]$$

$$3y + z = 2x^2$$

$$3y = 2x^2 - z$$

$$y = \frac{2x^2 - z}{3}$$

$$\textcircled{4} (a+b)x = 3c \quad [x]$$

$$x = \frac{3c}{a+b}$$

$$\textcircled{5} (3a+1)b = \frac{2}{b} \quad [a]$$

$$3a + 1 = \frac{2}{b^2}$$

$$3a = \frac{2}{b^2} - 1$$

$$a = \frac{2}{3b^2} - \frac{1}{3}$$

$$\textcircled{6} \frac{2}{y} + xz - 3 = 0 \quad [x]$$

$$2 + xyz - 3y = 0$$

$$xyz = 3y - 2$$

$$x = \frac{3y - 2}{yz}$$

$$\textcircled{7} V = \frac{1}{2}(a+b)h \quad [h]$$

$$h = \frac{2V}{a+b}$$

$$\textcircled{8} \frac{ab+2c}{x} = 1 \quad [c]$$

$$ab + 2c = x$$

$$2c = x - ab$$

$$c = \frac{x - ab}{2}$$