

A コース

⑦ $(x + \frac{1}{3})(x + \frac{1}{6})$

$$= x^2 + (\frac{1}{3} + \frac{1}{6})x + \frac{1}{3} \times \frac{1}{6}$$

$$= x^2 + (\frac{2}{6} + \frac{1}{6})x + \frac{1}{18}$$

$$= x^2 + \frac{3}{6}x + \frac{1}{18}$$

$$= x^2 + \frac{1}{2}x + \frac{1}{18}$$

⑧ $(a - \frac{3}{4})(a + \frac{1}{2})$

$$= a^2 + (-\frac{3}{4} + \frac{1}{2})a - \frac{3}{4} \times \frac{1}{2}$$

$$= a^2 + (-\frac{3}{4} + \frac{2}{4})a - \frac{3}{8}$$

$$= a^2 - \frac{1}{4}a - \frac{3}{8}$$

⑨ $(x + 0.2)(x + 0.4)$

$$= x^2 + (0.2 + 0.4)x + 0.2 \times 0.4$$

$$= x^2 + 0.6x + 0.08$$

⑩ $(a + 3)(a - 1.2)$

$$= a^2 + (3 - 1.2)a + 3 \times -1.2$$

$$= a^2 + 1.8a - 3.6$$

⑪ $(a + 3b)(a + 2b)$

$$= a^2 + (3b + 2b)a + 3b \times 2b$$

$$= a^2 + 5ab + 6b^2$$

⑫ $(x - 3y)(x - 4y)$

$$= x^2 + (-3y - 4y)x - 3y \times -4y$$

$$= x^2 - 7y + 12y^2$$

B コース

⑦ $(x + \frac{1}{4})(x + \frac{1}{3})$

$$= x^2 + (\frac{1}{4} + \frac{1}{3})x + \frac{1}{4} \times \frac{1}{3}$$

$$= x^2 + (\frac{3}{12} + \frac{4}{12})x + \frac{1}{12}$$

$$= x^2 + \frac{7}{12}x + \frac{1}{12}$$

⑧ $(a - \frac{1}{5})(a - \frac{1}{2})$

$$= a^2 + (-\frac{1}{5} - \frac{1}{2})a - \frac{1}{5} \times -\frac{1}{2}$$

$$= a^2 + (-\frac{2}{10} - \frac{5}{10})a + \frac{1}{10}$$

$$= a^2 - \frac{7}{10}a + \frac{1}{10}$$

⑨ $(x - 0.3)(x + 0.5)$

$$= x^2 + (-0.3 + 0.5)x - 0.3 \times 0.5$$

$$= x^2 + 0.2x - 0.15$$

⑩ $(a - 0.1)(a + 6)$

$$= a^2 + (-0.1 + 6)a - 0.1 \times 6$$

$$= a^2 + 5.9a - 0.6$$

⑪ $(a + 5b)(a - b)$

$$= a^2 + (5b - b)a + 5b \times -b$$

$$= a^2 + 4ab - 5b^2$$

⑫ $(m + 9n)(m - 8n)$

$$= m^2 + (9n - 8n)m + 9n \times -8n$$

$$= m^2 + mn - 72n^2$$