

多項式(1)

1 (1)  $2ac + 6bc$

(3)  $-4x^2 - 5x^2y - xy$

(5)  $xy + 10y + 2y^2$

(2)  $5a - 2$

(4)  $\frac{3}{2}a - 3b + 9$

多項式(2)

1 (1)  $xy - 4x + 3y - 12$

(3)  $8x^2 - 18y^2$

(5)  $x^2 + 6x - 16$

(2)  $x^2 + x - 6$

(4)  $x^2 + 7x + 12$

多項式(3)

1 (1)  $x^2 + 4x + 4$

(3)  $4a^2 + 12a + 9$

(5)  $x^2 - 16y^2$

(2)  $x^2 - 6x + 9$

(4)  $x^2 - 4$

多項式(4)

1 (1)  $3(x + 2y)$

(3)  $x(x - 6y + 1)$

(5)  $5ab(b + 3a + 2)$

(2)  $4ab(a - 3)$

(4)  $-xy(3x + y + 1)$

多項式(5)

1 (1)  $(a - 8)^2$

(3)  $(7a + 5)(7a - 5)$

(5)  $4(x + 3)(x + 1)$

(2)  $(x - 4)(x - 5)$

(4)  $(7 + x)(7 - x)$

多項式(6)

$$\begin{aligned}
 1 \quad (1) \quad & 95^2 - 5^2 \\
 & = (95 + 5)(95 - 5) \\
 & = 100 \times 90 \\
 & = 9000
 \end{aligned}$$

$$\begin{aligned}
 (2) \quad & 105^2 \\
 & = (100 + 5)^2 \\
 & = 100^2 + 2 \times 5 \times 100 + 5^2 \\
 & = 10000 + 1000 + 25 \\
 & = 11025
 \end{aligned}$$

$$\begin{aligned}
 (3) \quad & 53^2 - 47^2 \\
 & = (53 + 47)(53 - 47) \\
 & = 100 \times 6 \\
 & = 600
 \end{aligned}$$

$$\begin{aligned}
 (4) \quad & 5.2 \times 4.8 \\
 & = (5 + 0.2)(5 - 0.2) \\
 & = 25 - 0.04 \\
 & = 24.96
 \end{aligned}$$

多項式(7)

$$1 \quad 24^2 - 18^2 = (24 + 18)(24 - 18) = 252 \quad 252 \text{ cm}^2$$