

ラジオ講座数学 P15 問1 の解答

$$(1) (2x + y) \times 7x$$

$$= 2x \times 7x + y \times 7x$$

$$= 14x^2 + 7xy$$

$$(2) (3a - b) \times 4a$$

$$= 3a \times 4a - b \times 4a$$

$$= 12a^2 - 4ab$$

$$(3) (5a - 6b) \times (-2b)$$

$$= 5a \times (-2b) - 6b \times (-2b)$$

$$= -10ab + 12b^2$$

$$(4) 4x(2x - 1)$$

$$= 4x \times 2x + 4x \times (-1)$$

$$= 8x^2 - 4x$$

$$(5) 2x(x + 3y)$$

$$= 2x \times x + 2x \times 3y$$

$$= 2x^2 + 6xy$$

$$(6) -3a(8a + 7b)$$

$$= -3a \times 8a + (-3a) \times 7b$$

$$= -24a^2 - 21ab$$

$$(7) -2x(-3x + 2y)$$

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

$$= 6x^2 - 4xy$$

$$(8) (x - 3y - 2) \times 4x$$

$$= x \times 4x - 3y \times 4x - 2 \times 4x$$

$$= 4x^2 - 12xy - 8x$$

$$(9) -3x(4x - 3y + 2)$$

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

$$= -12x^2 + 9xy - 6x$$

$$(10) 3a(-a + 2b - 1)$$

$$= 3a \times (-a) + 3a \times 2b - 3a \times 1$$

$$= -3a^2 + 6ab - 3a$$