

1 以下の式を因数分解しなさい

(1) $x^2 - 7x + 10$

(2) $2x^2 + 8x + 6$

(3) $x^2 - 5x - 6$

(4) $3x^2 - 12x + 12$

(5) $x^2 + 4x - 21$

(6) $2x^2 - 2x - 12$

(7) $x^2 - 9x + 20$

(8) $4x^2 - 4x - 8$

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

(10) $3x^2 + 6x - 9$

解答

$$(1) (x-2)(x-5)$$

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

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

$$(4) 3(x-2)^2$$

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

$$(6) 2(x-3)(x+2)$$

$$(7) (x-4)(x-5)$$

$$(8) 4(x+1)(x-2)$$

$$(9) (x-3)^2$$

$$(10) 3(x+3)(x-1)$$