因数分解 基本（20問）　版I

なまえ：＿＿＿＿＿＿＿＿＿＿＿＿　　日づけ：＿＿＿＿＿＿

(1) $x^2 - 8x + 16 =$

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

(3) $4x^2 + 24x =$

(4) $x^2 + 11x + 18 =$

(5) $x^2 + 2x - 63 =$

(6) $4x^2 - 25 =$

(7) $x^2 - 81 =$

(8) $6x^2 + 12x =$

(9) $x^2 - 2x - 15 =$

(10) $3x^2 - 21x =$

(11) $x^2 + 5x - 14 =$

(12) $x^2 + 9x + 20 =$

(13) $x^2 - x - 30 =$

(14) $x^2 - 2x + 1 =$

(15) $x^2 + x - 72 =$

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

(17) $x^2 + x - 20 =$

(18) $x^2 + 12x + 36 =$

(19) $9x^2 - 49 =$

(20) $x^2 - 4 =$

因数分解 基本（20問）　版Iの答え

※ 答えは、展開して元の式に戻るかで自分で確かめられます。

(1) $x^2 - 8x + 16$
$= (x - 4)^2$

(2) $x^2 - 6x + 5$
$= (x - 5)(x - 1)$

(3) $4x^2 + 24x$
$= 4x(x + 6)$

(4) $x^2 + 11x + 18$
$= (x + 2)(x + 9)$

(5) $x^2 + 2x - 63$
$= (x - 7)(x + 9)$

(6) $4x^2 - 25$
$= (2x - 5)(2x + 5)$

(7) $x^2 - 81$
$= (x - 9)(x + 9)$

(8) $6x^2 + 12x$
$= 6x(x + 2)$

(9) $x^2 - 2x - 15$
$= (x - 5)(x + 3)$

(10) $3x^2 - 21x$
$= 3x(x - 7)$

(11) $x^2 + 5x - 14$
$= (x - 2)(x + 7)$

(12) $x^2 + 9x + 20$
$= (x + 4)(x + 5)$

(13) $x^2 - x - 30$
$= (x - 6)(x + 5)$

(14) $x^2 - 2x + 1$
$= (x - 1)^2$

(15) $x^2 + x - 72$
$= (x - 8)(x + 9)$

(16) $x^2 - 6x + 9$
$= (x - 3)^2$

(17) $x^2 + x - 20$
$= (x - 4)(x + 5)$

(18) $x^2 + 12x + 36$
$= (x + 6)^2$

(19) $9x^2 - 49$
$= (3x - 7)(3x + 7)$

(20) $x^2 - 4$
$= (x - 2)(x + 2)$