因数分解 基本（20問）　版K

なまえ：＿＿＿＿＿＿＿＿＿＿　　日づけ：＿＿＿＿＿＿

(1) $x^2 - 7x - 18 =$

(2) $6x^2 - 54x =$

(3) $16x^2 - 25 =$

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

(5) $6x^2 + 48x =$

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

(7) $x^2 - 36 =$

(8) $x^2 + 14x + 49 =$

(9) $4x^2 - 49 =$

(10) $x^2 - 12x + 27 =$

(11) $x^2 - 18x + 81 =$

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

(13) $x^2 - 10x + 24 =$

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

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

(16) $x^2 + 3x - 10 =$

(17) $x^2 - 7x + 10 =$

(18) $9x^2 - 64 =$

(19) $x^2 + 10x + 25 =$

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

因数分解 基本（20問）　版K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) $x^2 - 7x - 18$
$= (x - 9)(x + 2)$

(2) $6x^2 - 54x$
$= 6x(x - 9)$

(3) $16x^2 - 25$
$= (4x - 5)(4x + 5)$

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

(5) $6x^2 + 48x$
$= 6x(x + 8)$

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

(7) $x^2 - 36$
$= (x - 6)(x + 6)$

(8) $x^2 + 14x + 49$
$= (x + 7)^2$

(9) $4x^2 - 49$
$= (2x - 7)(2x + 7)$

(10) $x^2 - 12x + 27$
$= (x - 9)(x - 3)$

(11) $x^2 - 18x + 81$
$= (x - 9)^2$

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

(13) $x^2 - 10x + 24$
$= (x - 6)(x - 4)$

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

(15) $x^2 - 5x + 6$
$= (x - 3)(x - 2)$

(16) $x^2 + 3x - 10$
$= (x - 2)(x + 5)$

(17) $x^2 - 7x + 10$
$= (x - 5)(x - 2)$

(18) $9x^2 - 64$
$= (3x - 8)(3x + 8)$

(19) $x^2 + 10x + 25$
$= (x + 5)^2$

(20) $x^2 + 4x - 5$
$= (x - 1)(x + 5)$