因数分解 基本（20問）　版C

なまえ：＿＿＿＿＿＿＿＿＿＿＿＿　　日づけ：＿＿＿＿＿＿

(1) $x^2 + 13x + 36 =$

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

(3) $16x^2 - 81 =$

(4) $x^2 - 6x - 16 =$

(5) $x^2 - x - 42 =$

(6) $x^2 + 16x + 64 =$

(7) $5x^2 + 30x =$

(8) $x^2 - 4x - 5 =$

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

(10) $x^2 - 3x - 40 =$

(11) $x^2 - 2x - 24 =$

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

(13) $x^2 - 4x + 3 =$

(14) $4x^2 - 49 =$

(15) $9x^2 - 4 =$

(16) $2x^2 + 16x =$

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

(18) $4x^2 - 81 =$

(19) $x^2 + 8x + 16 =$

(20) $x^2 + 6x + 9 =$

因数分解 基本（20問）　版C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) $x^2 + 13x + 36$
$= (x + 4)(x + 9)$

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

(3) $16x^2 - 81$
$= (4x - 9)(4x + 9)$

(4) $x^2 - 6x - 16$
$= (x - 8)(x + 2)$

(5) $x^2 - x - 42$
$= (x - 7)(x + 6)$

(6) $x^2 + 16x + 64$
$= (x + 8)^2$

(7) $5x^2 + 30x$
$= 5x(x + 6)$

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

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

(10) $x^2 - 3x - 40$
$= (x - 8)(x + 5)$

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

(12) $x^2 + 5x + 6$
$= (x + 2)(x + 3)$

(13) $x^2 - 4x + 3$
$= (x - 3)(x - 1)$

(14) $4x^2 - 49$
$= (2x - 7)(2x + 7)$

(15) $9x^2 - 4$
$= (3x - 2)(3x + 2)$

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

(17) $x^2 + 6x + 8$
$= (x + 2)(x + 4)$

(18) $4x^2 - 81$
$= (2x - 9)(2x + 9)$

(19) $x^2 + 8x + 16$
$= (x + 4)^2$

(20) $x^2 + 6x + 9$
$= (x + 3)^2$