因数分解 基本（20問）　版E

なまえ：＿＿＿＿＿＿＿＿＿＿＿＿　　日づけ：＿＿＿＿＿＿

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

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

(3) $9x^2 - 25 =$

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

(5) $4x^2 - 81 =$

(6) $x^2 + 3x - 18 =$

(7) $x^2 + 4x + 4 =$

(8) $x^2 + 14x + 48 =$

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

(10) $6x^2 + 24x =$

(11) $x^2 + 2x - 3 =$

(12) $x^2 - 4x - 32 =$

(13) $x^2 - 12x + 35 =$

(14) $x^2 - 10x + 21 =$

(15) $x^2 - 14x + 49 =$

(16) $9x^2 - 1 =$

(17) $16x^2 - 81 =$

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

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

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

因数分解 基本（20問）　版E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) $x^2 + 3x - 10$
$= (x - 2)(x + 5)$

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

(3) $9x^2 - 25$
$= (3x - 5)(3x + 5)$

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

(5) $4x^2 - 81$
$= (2x - 9)(2x + 9)$

(6) $x^2 + 3x - 18$
$= (x - 3)(x + 6)$

(7) $x^2 + 4x + 4$
$= (x + 2)^2$

(8) $x^2 + 14x + 48$
$= (x + 6)(x + 8)$

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

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

(11) $x^2 + 2x - 3$
$= (x - 1)(x + 3)$

(12) $x^2 - 4x - 32$
$= (x - 8)(x + 4)$

(13) $x^2 - 12x + 35$
$= (x - 7)(x - 5)$

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

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

(16) $9x^2 - 1$
$= (3x - 1)(3x + 1)$

(17) $16x^2 - 81$
$= (4x - 9)(4x + 9)$

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

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

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