因数分解 基本（20問）　版L

なまえ：＿＿＿＿＿＿＿＿＿＿＿＿　　日づけ：＿＿＿＿＿＿

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

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

(3) $9x^2 - 49 =$

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

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

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

(7) $x^2 - x - 20 =$

(8) $5x^2 + 20x =$

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

(10) $x^2 - 5x - 14 =$

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

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

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

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

(15) $9x^2 - 25 =$

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

(17) $x^2 - 81 =$

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

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

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

因数分解 基本（20問）　版L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) $x^2 - 4x - 12$
$= (x - 6)(x + 2)$

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

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

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

(5) $x^2 - 11x + 24$
$= (x - 8)(x - 3)$

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

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

(8) $5x^2 + 20x$
$= 5x(x + 4)$

(9) $6x^2 - 6x$
$= 6x(x - 1)$

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

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

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

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

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

(15) $9x^2 - 25$
$= (3x - 5)(3x + 5)$

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

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

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

(19) $x^2 - 7x - 18$
$= (x - 9)(x + 2)$

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