因数分解 基本（20問）　版D

なまえ：＿＿＿＿＿＿＿＿＿＿＿＿　　日づけ：＿＿＿＿＿＿

(1) $x^2 - 8x + 12 =$

(2) $x^2 - 64 =$

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

(4) $x^2 - 4x - 21 =$

(5) $x^2 + 17x + 72 =$

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

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

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

(9) $2x^2 + 10x =$

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

(11) $x^2 - 7x + 12 =$

(12) $5x^2 + 45x =$

(13) $x^2 - 9x + 20 =$

(14) $x^2 - 10x + 25 =$

(15) $4x^2 - 49 =$

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

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

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

(19) $x^2 - 6x - 27 =$

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

因数分解 基本（20問）　版D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) $x^2 - 8x + 12$
$= (x - 6)(x - 2)$

(2) $x^2 - 64$
$= (x - 8)(x + 8)$

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

(4) $x^2 - 4x - 21$
$= (x - 7)(x + 3)$

(5) $x^2 + 17x + 72$
$= (x + 8)(x + 9)$

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

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

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

(9) $2x^2 + 10x$
$= 2x(x + 5)$

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

(11) $x^2 - 7x + 12$
$= (x - 4)(x - 3)$

(12) $5x^2 + 45x$
$= 5x(x + 9)$

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

(14) $x^2 - 10x + 25$
$= (x - 5)^2$

(15) $4x^2 - 49$
$= (2x - 7)(2x + 7)$

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

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

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

(19) $x^2 - 6x - 27$
$= (x - 9)(x + 3)$

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