因数分解 基本（20問）　版O

なまえ：＿＿＿＿＿＿＿＿＿＿＿＿　　日づけ：＿＿＿＿＿＿

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

(2) $x^2 - 1 =$

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

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

(5) $x^2 + 15x + 56 =$

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

(7) $16x^2 - 1 =$

(8) $x^2 - 13x + 40 =$

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

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

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

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

(13) $x^2 + 8x + 15 =$

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

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

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

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

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

(19) $x^2 - 49 =$

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

因数分解 基本（20問）　版O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) $x^2 + x - 6$
$= (x - 2)(x + 3)$

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

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

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

(5) $x^2 + 15x + 56$
$= (x + 7)(x + 8)$

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

(7) $16x^2 - 1$
$= (4x - 1)(4x + 1)$

(8) $x^2 - 13x + 40$
$= (x - 8)(x - 5)$

(9) $2x^2 - 16x$
$= 2x(x - 8)$

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

(11) $5x^2 + 5x$
$= 5x(x + 1)$

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

(13) $x^2 + 8x + 15$
$= (x + 3)(x + 5)$

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

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

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

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

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

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

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