因数分解 基本（20問）　版J

なまえ：＿＿＿＿＿＿＿＿＿＿＿＿　　日づけ：＿＿＿＿＿＿

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

(2) $x^2 - 2x - 35 =$

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

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

(5) $x^2 - 9x + 18 =$

(6) $x^2 - 64 =$

(7) $x^2 - 7x - 8 =$

(8) $4x^2 - 24x =$

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

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

(11) $x^2 + 18x + 81 =$

(12) $16x^2 - 49 =$

(13) $16x^2 - 1 =$

(14) $x^2 - 6x - 7 =$

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

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

(17) $4x^2 - 49 =$

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

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

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

因数分解 基本（20問）　版J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) $x^2 - 5x - 14$
$= (x - 7)(x + 2)$

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

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

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

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

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

(7) $x^2 - 7x - 8$
$= (x - 8)(x + 1)$

(8) $4x^2 - 24x$
$= 4x(x - 6)$

(9) $x^2 - 10x + 9$
$= (x - 9)(x - 1)$

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

(11) $x^2 + 18x + 81$
$= (x + 9)^2$

(12) $16x^2 - 49$
$= (4x - 7)(4x + 7)$

(13) $16x^2 - 1$
$= (4x - 1)(4x + 1)$

(14) $x^2 - 6x - 7$
$= (x - 7)(x + 1)$

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

(16) $x^2 + 4x + 3$
$= (x + 1)(x + 3)$

(17) $4x^2 - 49$
$= (2x - 7)(2x + 7)$

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

(19) $x^2 + 10x + 9$
$= (x + 1)(x + 9)$

(20) $6x^2 + 6x$
$= 6x(x + 1)$