因数分解 基本（20問）　版B

なまえ：＿＿＿＿＿＿＿＿＿＿＿＿　　日づけ：＿＿＿＿＿＿

(1) $x^2 + 11x + 30 =$

(2) $16x^2 - 25 =$

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

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

(5) $x^2 - 14x + 45 =$

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

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

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

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

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

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

(12) $x^2 - 4 =$

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

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

(15) $16x^2 - 49 =$

(16) $9x^2 - 25 =$

(17) $x^2 + 2x - 15 =$

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

(19) $6x^2 + 48x =$

(20) $x^2 + 8x + 12 =$

因数分解 基本（20問）　版B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) $x^2 + 11x + 30$
$= (x + 5)(x + 6)$

(2) $16x^2 - 25$
$= (4x - 5)(4x + 5)$

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

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

(5) $x^2 - 14x + 45$
$= (x - 9)(x - 5)$

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

(7) $x^2 + 4x - 12$
$= (x - 2)(x + 6)$

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

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

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

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

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

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

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

(15) $16x^2 - 49$
$= (4x - 7)(4x + 7)$

(16) $9x^2 - 25$
$= (3x - 5)(3x + 5)$

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

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

(19) $6x^2 + 48x$
$= 6x(x + 8)$

(20) $x^2 + 8x + 12$
$= (x + 2)(x + 6)$