因数分解 基本（20問）　版N

なまえ：＿＿＿＿＿＿＿＿＿＿＿＿　　日づけ：＿＿＿＿＿＿

(1) $x^2 - 9x + 8 =$

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

(3) $x^2 - 11x + 28 =$

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

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

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

(7) $16x^2 - 25 =$

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

(9) $4x^2 - 20x =$

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

(11) $16x^2 - 9 =$

(12) $x^2 + 4x - 45 =$

(13) $9x^2 - 16 =$

(14) $x^2 + x - 72 =$

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

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

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

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

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

(20) $x^2 + 6x - 7 =$

因数分解 基本（20問）　版N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) $x^2 - 9x + 8$
$= (x - 8)(x - 1)$

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

(3) $x^2 - 11x + 28$
$= (x - 7)(x - 4)$

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

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

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

(7) $16x^2 - 25$
$= (4x - 5)(4x + 5)$

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

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

(10) $5x^2 + 20x$
$= 5x(x + 4)$

(11) $16x^2 - 9$
$= (4x - 3)(4x + 3)$

(12) $x^2 + 4x - 45$
$= (x - 5)(x + 9)$

(13) $9x^2 - 16$
$= (3x - 4)(3x + 4)$

(14) $x^2 + x - 72$
$= (x - 8)(x + 9)$

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

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

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

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

(19) $6x^2 - 6x$
$= 6x(x - 1)$

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