

## Factoring Trinomials



Factor each trinomial.

1)  $x^2 - 121 =$

2)  $x^2 - 7x - 18 =$

3)  $x^2 + 5x - 36 =$

4)  $x^2 - 6x - 16 =$

5)  $x^2 + 13x + 36 =$

6)  $-12x^2 - 26x - 12 =$

7)  $x^2 - 6x + 5 =$

8)  $x^2 + 10x + 25 =$

9)  $x^2 - 1x - 20 =$

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

11)  $x^2 + 4x - 45 =$

12)  $x^2 - 5x - 14 =$

13)  $2x^2 + 3x - 5 =$

14)  $x^2 + 8x + 15 =$

15)  $x^2 - 64 =$

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

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

18)  $-10x^2 - 24x - 8 =$

19)  $x^2 - 9x + 18 =$

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

21)  $x^2 - 11x + 18 =$

22)  $x^2 - 9x + 14 =$

## Answers of Factoring Trinomials



Factor each trinomial.

$$1) x^2 - 121 = (x + 11)(x - 11)$$

$$2) x^2 - 7x - 18 = (x - 9)(x + 2)$$

$$3) x^2 + 5x - 36 = (x - 4)(x + 9)$$

$$4) x^2 - 6x - 16 = (x + 2)(x - 8)$$

$$5) x^2 + 13x + 36 = (x + 4)(x + 9)$$

$$6) -12x^2 - 26x - 12 = (-4x - 6)(3x + 2)$$

$$7) x^2 - 6x + 5 = (x - 1)(x - 5)$$

$$8) x^2 + 10x + 25 = (x + 5)(x + 5)$$

$$9) x^2 - 1x - 20 = (x - 5)(x + 4)$$

$$10) x^2 - 6x + 5 = (x - 5)(x - 1)$$

$$11) x^2 + 4x - 45 = (x - 5)(x + 9)$$

$$12) x^2 - 5x - 14 = (x - 7)(x + 2)$$

$$13) 2x^2 + 3x - 5 = (-2x - 5)(-x + 1)$$

$$14) x^2 + 8x + 15 = (x + 3)(x + 5)$$

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

$$16) x^2 - 2x - 15 = (x - 5)(x + 3)$$

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

$$18) -10x^2 - 24x - 8 = (-10x - 4)(x + 2)$$

$$19) x^2 - 9x + 18 = (x - 6)(x - 3)$$

$$20) x^2 - 4x - 5 = (x - 5)(x + 1)$$

$$21) x^2 - 11x + 18 = (x - 9)(x - 2)$$

$$22) x^2 - 9x + 14 = (x - 7)(x - 2)$$