

Factoring



There are 5 different kinds of Factoring:

- Greatest common factor (GCF)
- Factor by grouping ("Pair them up")
- Simple Trinomials (Factor by Inspection)
- Hard Trinomials
- Special Factors
 - Difference of Squares
 - Perfect Square Trinomials

II. Factoring Trinomials:

Type 1: Polynomials of the form $x^2 + bx + c$

- Often referred to as "Simple Trinomials"

Expand each of the following:

$$(a) (w + 5)(w - 4) = w^2 - 4w + 5w - 20 = w^2 + w - 20$$

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

Expanding \longrightarrow

\longleftarrow Factoring

Attachments

Factoring trinomials a=1.pdf