

Factoring Trinomials

TRINOMIAL: A polynomial with 3 terms.

ALWAYS look for a GCF first.

It is a good idea to make leading coefficient positive.

Guess and check method is one of many methods, but not the only one.

Factor the following:

1. $x^2 - 14x + 45$

2. $x^2 + 6x + 10$

3. $-8x^2 + 16x - 40$

4. $6x^2 + 7x - 20$

5. $2x^2 - 5x - 12$

6. $24 - 22x + 3x^2$

7. $8x^2 + 6xy - 5y^2$

8. $x^4 + 4x^2 - 5$