***Factoring Polynomials***

**Is it a binomial or Trinomial?**

**Binomial Trinomial**

Is there a GCF?

Is there a GCF?

**Yes No Yes No**

**Factor out GCF**

Example:

Example:

**Is it DOTS?**

Ex:

or

Is….

**Factor out GCF**

Example

or

**Yes No**

**Factor using conjugate pairs!**

Ex:

Ex:

Example

or

**Prime! Can’t factor!**

**Quadratic Formula!**

**Factor using trial and error!**

Example

***or Quadratic Formula!***

**Factor into product of two binomials**

Example

***or Quadratic Formula!***

Is the remaining factor DOTS?

**Yes No**

Is the remaining trinomial able to be factored?

**No further factoring can be done!**

Example

**Factor completely!**

Example

**Yes No**

**No more traditional factoring can be done!**

***Quadratic Formula!***

**Factor Completely!**