Factoring Trinomials (*a*=1): Guided Notes

Factor each polynomial.

**1)** Find and factor out the GCF.

**2)** Find the factors of .

**3)** Find the factors of .

**4)** Decide if you need a sum or difference of .

* If , then you need a **sum**.
* If , then you need a **difference**.

**5)** Find the right pair of  and  values such that the products of the factors of  and  have a sum/difference of .

**6)** Write the two factors.

* Coefficients are from the factors of .
* Constants are from the factors of .
* Use  and  to determine the  symbols.
* If , then the signs are the **same**.
* If , then the signs are **different**.
* The bigger product gets the same sign as .

**1)** 

**2)** 

**3)** 

**4)** 

Factoring Trinomials (*a*≠1): Guided Notes

Factor each polynomial.

**1)** 

**2)** 

If , then the GCF is positive.

If , then the GCF is negative.

**3)** 