Name: _____ Nov. 21, 2016
Alg. 1 – Period: _____ (2nd Qrtr) Ms.Nhotsoubanh

Performance Assessment

"Explaining Factoring"

Factoring requires having many tools in your algebra toolbox. Listed below are different methods for factoring and different types of polynomials to be factored:

- factor by grouping
- factor by the box method
- factor by the bottoms up method
- factoring differences of squares
- factoring perfect square trinomials
- factor by GCF (including factoring the GCF out before doing other methods)

PROCESS

1. You will work with your group of 3-4 people.
2. Choose 1 method of factoring trinomials where a > 1 from the list below.
   - factor by grouping
   - factor by the box method
   - factor by the bottoms up method
3. Create a product that explains the 1 method in your own words and include 4 example problems. Steps must be typed or written out. Each example and written out steps are worth 5 points each. (20 points)

4. Also explain how:
   - to completely factor any factorable polynomial and include 2 examples of that process. Steps must be typed or written out. Each example and written out steps are worth 5 points each. (10 points)

   - to factor differences of squares and include 2 examples of that process. Steps must be typed or written out. Each example and written out steps are worth 5 points each. (10 points)

   - factor perfect square trinomials and include 2 examples of that process. Steps must be typed or written out. Each example and written out steps are worth 5 points each. (10 points)

All examples must include a check.

5. Presentation - 10 points for the organization and overall presentation of the product (this differs based on what you turn in, but will not be based on the accuracy of the content)

POSSIBLE PRODUCTS: foldable, video tutorial, poster, flow chart, essay, song/rap/poem, PowerPoint presentation, picture book, your own amazing and creative idea.....

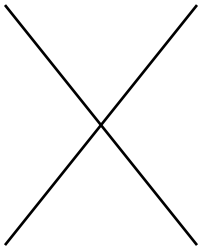
* Songs/raps and video tutorials will need to be performed for the class, along with paper documentation handed in.

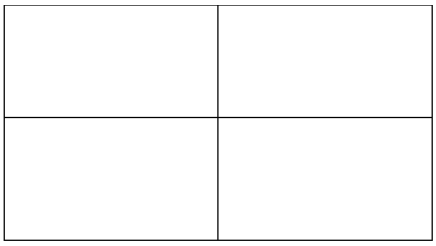
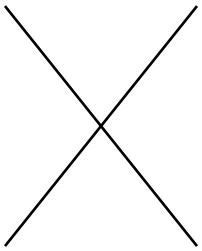
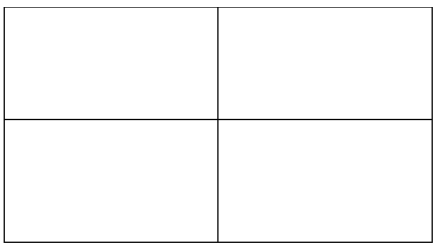
RESOURCES: notes, textbook, internet, friends, parents, etc. BUT don't just copy examples or explanations from those sources. I want your own words, not a professional's words (even if you cite your source).

Assigned on Nov. 21, 2016
Check in date: Monday, Dec. 5, 2016
Project is due on Wednesday, Dec. 21, 2016

My Method of Factoring is _____

Factor the trinomial _____





Factor the trinomial _____