**Math Choice Menu Homework**

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*Due Monday, February 22, 2016*

Choose **4** out of the 6 following options from the choice menu below. Circle your **4** choices and staple your work to this paper.

**You must choose options 1 and 2 this week**

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| ***Choice 1: Plotting points on a coordinate plane***  *[CCSS.MATH.CONTENT.6.G.A.3](http://www.corestandards.org/Math/Content/6/G/A/3/) Draw polygons in the coordinate plane given coordinates for the vertices; use coordinates to find the length of a side joining points with the same first coordinate or the same second coordinate. Apply these techniques in the context of solving real-world and mathematical problems.*  Complete the attached coordinate plane handout. | ***Choice 2: Finding the area of a triangle on a coordinate plane***  [*CCSS.MATH.CONTENT.6.G.A.3*](http://www.corestandards.org/Math/Content/6/G/A/3/) *Draw polygons in the coordinate plane given coordinates for the vertices; use coordinates to find the length of a side joining points with the same first coordinate or the same second coordinate. Apply these techniques in the context of solving real-world and mathematical problems*  Please complete the attached worksheet regarding finding the area of a triangle on a coordinate plane | ***Choice 3: Stride Academy***  Log on to Stride Academy and practice math skills for at least 20 minutes every night. This should equate to 140 minutes (2 hours and 20 minutes) total for the week. Have a parent/guardian sign below that you did the work.  *Signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_* |
| ***Choice 4: Finding the volume of random objects***  *[CCSS.MATH.CONTENT.6.G.A.2](http://www.corestandards.org/Math/Content/6/G/A/2/) Find the volume of a right rectangular prism with fractional edge lengths by packing it with unit cubes of the appropriate unit fraction edge lengths, and show that the volume is the same as would be found by multiplying the edge lengths of the prism. Apply the formulas V = l w h and V = b h to find volumes of right rectangular prisms with fractional edge lengths in the context of solving real-world and mathematical problems.*  To review, find the volume of 5 random 3-dimensioal objects around your home. | ***Choice 5: Multiplying and Dividing fractions REVIEW***  *[CCSS.MATH.CONTENT.5.NF.B.4](http://www.corestandards.org/Math/Content/5/NF/B/4/) Apply and extend previous understandings of multiplication to multiply a fraction or whole number by a fraction*.  Come up with and solve at least 20 equations involving multiplying and dividing fractions | ***Choice 6: Adding and Subtracting Fractions REVIEW***  *CCSS.MATH.CONTENT.5.NF.A.1*  *Add and subtract fractions with unlike denominators (including mixed numbers) by replacing given fractions with equivalent fractions in such a way as to produce an equivalent sum or difference of fractions with like denominators.*  Come up with and solve at least 20 equations involving adding and subtracting fractions |