**Math Choice Menu Homework**

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

*Due Monday, March 7, 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 4 this week**

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| ***Choice 1: Working with Statistics***  *[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 worksheet about mean, median, mode and range. | ***Choice 2: Research a real-world statistics problem***  [*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*  Research data from a company or other business on the internet and reflect on the financial statistics of their company. How do businesses use statistics? | ***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: Explain statistics***  *[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.*  Develop a poster about statistics that would explain it to someone who has never heard about statistics before. | ***Choice 5: Finding the volume of a quadrilateral REVIEW***  *CCSS.MATH.CONTENT.6.G.A.1*  *Solve real world and mathematical problems involving finding the area, surface area, and volume.*  Come up with 5 quadrilaterals and find the volume of each quadrilateral. | ***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 |