**Math Choice Menu Homework**

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

*Due Monday, February 29, 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: Understanding 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 stats 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*Come up with your own coordinate plane and successfully find the area of a triangle on the 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: What are the odds?****[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.*Come up with a question to keep track of this week. What are the odds of this question happening? For example, what are the odds that your mom will cook dinner every night? Record and analyze.  | ***Choice 5: Finding the area of a triangle 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 triangles and find the area of each triangle.  | ***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  |