**Math Choice Menu Homework**

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

*Due Tuesday, February 16, 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 or 4 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.*  Develop a picture that would involve plotting triangles and/or quadrilaterals on a coordinate plane. Give the X and Y axis so someone would be able to solve it. | ***Choice 2: Volume of Rectangular prisms***  [CCSS.MATH.CONTENT.6.G.A.4](http://www.corestandards.org/Math/Content/6/G/A/4/) Represent three-dimensional figures using nets made up of rectangles and triangles, and use the nets to find the surface area of these figures. Apply these techniques in the context of solving real-world and mathematical problems  Please complete the attached worksheet regarding surface area. | ***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: Create a coordinate plane poster***  [CCSS.MATH.CONTENT.6.G.A.4](http://www.corestandards.org/Math/Content/6/G/A/4/) Represent three-dimensional figures using nets made up of rectangles and triangles, and use the nets to find the surface area of these figures. Apply these techniques in the context of solving real-world and mathematical problems  Create a poster that would explain to someone how to find surface area and what it is. | ***Choice 5: Working with exponents REVIEW***  *[CCSS.MATH.CONTENT.6.EE.A.1](http://www.corestandards.org/Math/Content/6/EE/A/1/) Write and evaluate numerical expressions involving whole-number exponents.*  Come up with and solve at least 20 equations involving exponents. | ***Choice 6: Multiplying and Dividing Decimals***  *[CCSS.MATH.CONTENT.6.NS.B.3](http://www.corestandards.org/Math/Content/6/NS/B/3/) Fluently add, subtract, multiply, and divide multi-digit decimals using the standard algorithm for each operation.*  Come up with and solve at least 20 equations involving multiplying and dividing numbers with decimals. |