**Math Choice Menu Homework**

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

*Due Monday, February 1, 2016*

Choose **3** out of the 6 following options from the choice menu below. Circle your **3** choices and staple your work to this paper.

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

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| ***Choice 1: Area of triangles***  *[CCSS.MATH.CONTENT.6.G.A.1](http://www.corestandards.org/Math/Content/6/G/A/1/) Find the area of right triangles, other triangles, special quadrilaterals, and polygons by composing into rectangles or decomposing into triangles and other shapes; apply these techniques in the context of solving real-world and mathematical problems.*  **Complete attached Kuta Software – Infinite Pre-Algebra Worksheet** | ***Choice 2: Volume of Rectangular prisms***  [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.  **Complete attached Finding Volume Of Rectangular Prisms Worksheet** | ***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: Solving area of triangles***  [*CCSS.MATH.CONTENT.6.G.A.1*](http://www.corestandards.org/Math/Content/6/G/A/1/) *Find the area of right triangles, other triangles, special quadrilaterals, and polygons by composing into rectangles or decomposing into triangles and other shapes; apply these techniques in the context of solving real-world and mathematical problems.*  Come up with and solve at least TEN problems involving finding the area of a triangle. | ***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: Working with algebraic expressions REVIEW***  [CCSS.MATH.CONTENT.6.EE.A.2](http://www.corestandards.org/Math/Content/6/EE/A/2/) Write, read, and evaluate expressions in which letters stand for numbers.  Come up with and solve at least 10 algebraic expressions using numbers and letters. |