

AGI	Regal Coller	Week of 2-20-17 (Q3, W4)
Date:	Classwork:	Homework:
<b>Tuesday 2-21</b>  <b>Block</b>	<p><b>Focus Questions: (Learning Intentions)</b>  → Why are some square areas not possible to represent on your dot grids?  → What does <math>\sqrt{x}</math> mean and how does it relate to <math>x^2</math>?</p> <p><b>Formative Assessment Tasks</b>  <u><b>Geometry Through Flatland</b></u>  In LFP Investigation 1, the City of Euclid was named after a famous geometer. In Euclidean geometry, the terms <i>point</i>, <i>line</i> and <i>plane</i> are considered undefined. Think about that as you view the movie.</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Take brief notes during the movie.</li> <li><input type="checkbox"/> Complete the <i>Geometry Through Flatland</i> packet. Include illustrations and explanations where appropriate.</li> </ul> <p><u><b>Looking for Pythagoras (LFP) Problems 2.1 &amp; 2.2</b></u></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> LFP Problem 2.1, Pages 22-23 A &amp; B</li> <li><input type="checkbox"/> LFP Problem 2.2, Pages 23-25 A-E</li> </ul>	<p><b>Required assignments:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> <b>Complete any work from today you did not finish in class. (Due Thursday)</b></li> <li><input type="checkbox"/> <b>Check &amp; correct LFP ACE1 on Thursday!</b></li> </ul>
<b>Thursday 2-23</b>  <b>Block</b>	<p><b>Focus Questions: (Learning Intentions)</b>  → How can you estimate square roots using perfect squares?  → How can you find the distance between any two points on a grid?</p> <p><b>Formative Assessment Tasks</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> TWMM 4 &amp; 5--Success criteria report</li> <li><input type="checkbox"/> Check &amp; correct LFP ACE 1 #1-14, #15-25, #26-36 and #41</li> <li><input type="checkbox"/> Share insights and questions from Problems 2.1 &amp; 2.2</li> </ul> <p><u><b>Looking for Pythagoras (LFP) Problem 2.3</b></u></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Complete Square Roots &amp; Perfect Squares Table</li> <li><input type="checkbox"/> LFP Problem 2.3, Pages 25-26 A &amp; B</li> </ul>	<p><b>Required assignments:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> <b>Finish any work not completed in class. (Due Fri)</b></li> </ul> <p><u><b>LFP ACE 2 (Due Friday)</b></u></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Pages 29-30 #1-37</li> <li><input type="checkbox"/> Pages 33-34 #65-68</li> <li><input type="checkbox"/> Page 35 #73-76</li> </ul> <p><b>TWMM Investigation 4 &amp; 5 Test Corrections--See directions on back of score report. (Due Tuesday)</b></p>
<b>Friday 2-24</b>	<p><b>Focus Question: (Learning Intention)</b>  → Where are you in relation to this week's Learning Success Criteria?</p> <p><b>Formative Assessment Tasks</b>  <u><b>Looking for Pythagoras (LFP) Problems 2.1-2.3</b></u></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> <i>Flatland</i>--Design share via posters</li> <li><input type="checkbox"/> Check &amp; correct LFP ACE 2 #1-37, #65-68, #73-76</li> <li><input type="checkbox"/> Success Criteria check-in: sticky notes</li> </ul>	<p><b>Required assignments:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> <b>Finish any work not completed in class. (Due Tuesday)</b></li> </ul> <p><b>TWMM Investigation 4 &amp; 5 Test Corrections--See directions on back of score report. (Due Tuesday)</b></p>

Online Textbook Link: <http://mymathuniverse.com/cmp3>

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**Learning Success Criteria:**

--Students are able to accurately describe the relationship between the area of a square and the length of one side using multiple representations: pictures with labels, math symbols and precise mathematical language.

--Students have developed new strategies for finding the distance between two points on a coordinate grid using the areas of squares.

--Students are efficient using perfect squares to estimate the square roots of non-perfect squares without calculators.

**Standards**

**8.G.B.8** Apply the Pythagorean Theorem to find the distance between two points in a coordinate system.

**8.NS.A.2** Use rational approximations of irrational numbers to compare the size of irrational numbers, locate them approximately on a number line and estimate the value of expressions.

**8.EE.A.2** Use square root and cube root symbols to represent solutions to equations of the form  $x^2 = p$  and  $x^3 = p$ , where  $p$  is a positive rational number.

Standards for Mathematical Practice

**Make sense of problems and persevere in solving them.**

**Use appropriate tools strategically.**

**Look for and express regularity in repeated reasoning.**

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