

Pathfinder Algebra 8th

Regal Coller

Week of 2-27-17 (Q3, W5)

Date:	Classwork:	Homework:
Monday/ Tuesday 2-27/2-28 Block	Focus Questions: (Learning Intentions) → What does \sqrt{x} mean and how does it relate to x^2 ? → How can you estimate square roots using perfect squares? → How can you find the distance between any two points on a grid? Formative Assessment Tasks <ul style="list-style-type: none"> <input type="checkbox"/> Share insights and questions from LFP Problems 2.1 & 2.2 <input type="checkbox"/> Follow-up notes & organizers: Parts of a Radical, WS D-72, Square Roots & Perfect Squares Table <input type="checkbox"/> Check & correct LFP ACE 2 Pages 29-30 #1-37 <input type="checkbox"/> Pages 33-34 #65-68 <u>Looking for Pythagoras (LFP) Problem 2.3</u> <ul style="list-style-type: none"> <input type="checkbox"/> LFP Problem 2.3, Pages 25-26 A & B <input type="checkbox"/> Summary I, II & III Jigsaw 	Required assignments: <ul style="list-style-type: none"> <input type="checkbox"/> Complete any work from today you did not finish in class. (Due Wed/Thurs) <input type="checkbox"/> TWMM Investigation 4 & 5 Test Corrections--See directions on back of score report. (Due Friday) <input type="checkbox"/> LFP ACE 2 Pages 30-32 #38-46 (Due Wed/Thurs)
Wednesday/ Thursday 3-1/3-2 Block	Focus Questions: (Learning Intentions) → How can you estimate square roots using perfect squares? → How can you find the distance between any two points on a grid? Formative Assessment Tasks <u>Looking for Pythagoras (LFP) Investigations 1 & 2</u> <ul style="list-style-type: none"> <input type="checkbox"/> Check & correct LFP ACE 2 Pages 30-32 #38-46 <input type="checkbox"/> Check-Up Investigations 1 & 2 Quiz <u>Looking for Pythagoras (LFP) Problem 3.1</u> <ul style="list-style-type: none"> <input type="checkbox"/> LFP Problem 3.1, Pages 38-40 A & B 	Required assignments: <ul style="list-style-type: none"> <input type="checkbox"/> Finish any work not completed in class. (Due Fri) <input type="checkbox"/> LFP ACE 3 starts on Page 49. Do # 1-4, #17 & # 27 (Due Friday) <input type="checkbox"/> TWMM Investigation 4 & 5 Test Corrections --See directions on back of score report. (Due Friday)
Friday 3-3	Focus Question: (Learning Intention) →How can you use puzzle pieces to verify a geometric proof of the Pythagorean Theorem? Formative Assessment Tasks <ul style="list-style-type: none"> <input type="checkbox"/> Collect TWMM Inv. 4 & 5 Test corrections <input type="checkbox"/> Check & correct LFP ACE 3 # 1-4, #17 & # 27 <u>Looking for Pythagoras (LFP) Problem 3.2</u> <ul style="list-style-type: none"> <input type="checkbox"/> LFP Problem 3.2, Pages 41-43 A-D <input type="checkbox"/> Instead of the paper puzzle proof, you will use foam puzzle frames and pieces. 	Required assignments: <ul style="list-style-type: none"> <input type="checkbox"/> Finish any work not completed in class. (Due Mon/Tues)

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

Click "Log in to Student Place"

Enter Username: lasfir21 & Password: D2001_ _ _ _ _

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 are efficient using perfect squares to estimate the square roots of non-perfect squares without calculators.
- Students can describe how to use on the side lengths to determine whether or not a triangle is a right triangle.
- Students can explain a geometric proof of the Pythagorean Theorem.

Standards

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.

8.G.B.6 Explain a proof of the Pythagorean Theorem and its converse.

8.G.B.7 Apply the Pythagorean Theorem to determine unknown side lengths in right triangles in real-world and mathematical problems in two dimensions.

Standards for Mathematical Practice

- Make sense of problems and persevere in solving them.**
- Model with mathematics.**
- Use appropriate tools strategically.**
- Look for and express regularity in repeated reasoning.**

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

Click "Log in to Student Place"

Enter Username: lasfir21 & Password: D2001_ _ _ _