

MATH CHOICE BOARD

Perfect Squares, Roots and Pythagoras

Directions: Form a winning Tic-Tac-Toe! Choose 3 activities in a row to complete.

DUE: Thursday November 7th

<p>USING WORDS</p> <p>There are multiple ways to say: 3^2</p> <p>Write the different ways. Change the base to another number and write the word forms for your new exponential number.</p>	<p>DESIGN A PATIO</p> <p>Your patio must be a perfect square. Draw a diagram looking down on your patio and include any outdoor furniture and fixtures you would like to have there. Label the length and width ($\sqrt{\quad}$) of your patio and the measurements.</p>	<p>PYTHAGORAS FOLDABLE</p> <p>Make a foldable for the Pythagorean Theorem. Thoroughly cover the topic by including examples, definitions, illustrations and showing all of your work.</p>
<p>CREATE A QUIZ</p> <p>Create a 10 question quiz on perfect squares, estimating squares, square roots and the Pythagorean Theorem. Include an answer key showing ALL of your proofs.</p>	<p>EXPLAIN</p> <p>Why are the numbers 8, 47 and 131 NOT perfect squares? In your explanation include drawings and all of your proofs. Use full sentences too.</p>	<p>GIVE DETAILS</p> <p>Explain why the square roots of 12 is not equal to 144? Explain why the square of 4 is not 2. Why do you think these can be confusing to some students?</p>
<p>CREATE WARM-UPS</p> <p>Create 10 days of warm-ups for the Pythagorean Theorem topic. Include a variety of question types and answer keys.</p>	<p>CREATE A WORKSHEET</p> <p>Create a 10 question worksheet on finding the missing LEG of each right angled triangle. Include an answer key showing ALL of your proofs</p>	<p>SQUARES & ROOTS POSTER</p> <p>Make a poster for perfect squares and square roots. Thoroughly cover the topics by including examples, definitions, illustrations and showing all of your work.</p>

