

PYTHAGOREAN THEOREM

Content Standards:

- Use the Pythagorean Theorem and its converse.

Process Standards:

- Collaborate with partners/small groups.

Task:

Students will use the internet to research different ways of proving the Pythagorean Theorem. Students will work with partners. They can use the following website as a resource, or find other sites. Students will create a poster or a Powerpoint to show and explain their proof of the Pythagorean Theorem. Then, they will present their proof to the class with a 3 - 5 minute presentation.

Website: www.cut-the-knot.org/pythagoras/

Criteria:

- Students correctly prove the Pythagorean Theorem
- Poster or Powerpoint is neat and easy to understand
- Students explain the proof clearly

Rubric

Criteria	0	1	2	3
Correctly proved the Pythagorean Theorem	Did not attempt	Attempted, but several mistakes	Some minor mistakes	Correctly proved the theorem
Poster or Powerpoint of proof	Did not complete a poster or Powerpoint	Completed a poster or Powerpoint, but not neat or not clear	Completed a poster or powerpoint but some mistakes	Poster or Powerpoint was neat and clear
Explanation of proof	Had no idea how to explain the proof	Explained some aspects of proof but not much	Explained the proof with some errors	Explained the proof with no errors - easy to understand

Total Score _____/9