If Pythagoras Had Instagram...

Directions: Follow the steps you need to take to complete the project. Use the rubric below to be certain that you have fulfilled the criteria needed to do well on your project!

1. Find something in your life that makes the shape of a right triangle.

2. Measure the side lengths of this real life right triangle.

3. **Take a picture** of this right triangle in real life and PRINT it. (-email to sarah.brooks@nbed.nb.ca or save on memory stick

4. Paste your Instagram photo onto the template, add 'likes' & an **APPROPRIATE MATHY caption!**

5. On the **GRAPH** paper, draw a diagram of your right triangle with measurements.

6. Prove the Pythagorean Theorem with your diagram. Show your steps.

7. Write a **one-paragraph summary** on the graph paper of why you chose the object to photograph and explain how the Pythagorean Theorem works with this object to prove that it is truly a right triangle.

Category	4	3	2	1
Picture	Picture is present with caption + likes	Picture is present with caption	Picture is present	Picture is not included
Measurements	All three measurements were listed	Two measurements were listed	One measurement is listed	No measurements are listed
Diagram	Diagram with measurements is present		Diagram is present without measurements	No diagram
Pythagorean Theorem	All work is shown using the Pythagorean Theorem to prove it is a right triangle	Work is shown using the Pythagorean Theorem with one or two mistakes	Work is shown using the Pythagorean Theorem with more than two mistakes	No work was shown to prove this is a right triangle
Summary	Paragraph explains why object was chosen and how Pythagorean Theorem proved it had a right angle. No spelling errors.	Paragraph explains why object was chosen and how Pythagorean Theorem proved it had a right angle. One or two spelling errors.	Paragraph explains why object was chosen but does not fully explain how Pythagorean Theorem proved it had a right angle. Some spelling errors.	Paragraph is lacking in full explanation why object was chosen and how Pythagorean Theorem proved it had a right angle.

Total score: ____/20

Instagram

@pythagoras

4m

Like Comment