## P.1: Right and Obtuse Triangles

What types of triangles does the Pythagorean Theorem work on? Kaden uses side lengths from an obtuse triangle. Maddie uses lengths from a right triangle.

Kaden’s "Obtuse Triangle" Method



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1) What are the similarities and differences between Kaden and Maddie's methods?

| Similarities | Differences |
| :--- | :--- |
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2) Kaden found that the Pythagorean Theorem didn't work for his triangle. Did he do something wrong? Explain.
3) How did Maddie know the Pythagorean Theorem worked for her triangle?
4) Kaden's sister says that side lengths of 5,7 , and 11 form a right triangle. Is she correct? How do you know?

