1. Write a brief definition of “Trigonometry.”
   1. Triangle measure
2. Draw a right triangle and label its legs and hypotenuse.
   1. Make sure the longest leg is the hypotenuse and it is opposite the right angle
3. How do you know which side is the hypotenuse?
   1. Longest, opposite right angle
4. State the Pythagorean theorem and give a proof of the 45-45-90 triangle measures
5. Write the mnemonic device you prefer to use to remember the trigonometric ratios
6. Solve the following right triangles using the Pythagorean Theorem:

|  |  |
| --- | --- |
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| 10.6C:\Users\Mark Watford\AppData\Local\Temp\geogebra.png | 7.5C:\Users\Mark Watford\AppData\Local\Temp\geogebra.png |

Use your knowledge of special right triangles to solve the following

