1. Write a brief definition of “Trigonometry.”
2. Draw a right triangle and label its legs and hypotenuse.
3. How do you know which side is the hypotenuse?
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:

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

Use your knowledge of special right triangles to solve the following

