



**Precision Manufacturing Institute Presents:**

## Tech Math II

Do you need to calculate right triangle dimensions or work with angle surfaces, tapers or dovetails and want to understand how to solve for the unknown dimension? If so then enroll today in Tech Math I at PMI at 764 Bessemer Street, Meadville PA

To enroll contact Shawn Spinneweber at PMI (814) 333-2415 or email [sspinneweber@pmionline.edu](mailto:sspinneweber@pmionline.edu)

\*\*\* Classes are subject to minimum enrollment

### Tech Math II

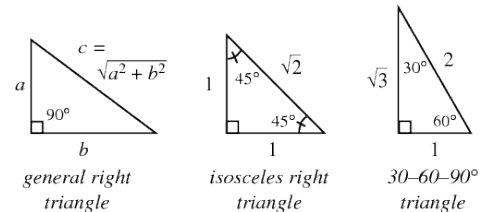
**Nov 12 to Dec 19, 2013.**

**Tuesdays and Thursdays evenings 4:00 to 8:00 pm**

**Cost:** \$ 625.00/person plus textbook

**Duration:** 32 hours

**Prerequisite:** Tech Math I



#### **Description:**

Tech Math II will cover trigonometric functions. Practice exercises will be specific to calculating angles and sides of a right triangle of simple and complex applications and then the use of law of sines and law of cosines. The course will finish by reviewing applications of roll readings.

**Details:** Tech Math II covers the following topics:

1. Function of sine, cosine and tangent trig functions to the relating angle.
2. Basic calculation of angles and sides of right triangles
3. Solving for unknown sides and unknown angles
4. Solving for simple machining applications of sine bars, tapers, distance between holes, dove tails, thread and wire measurement,
5. Solving for complex machining applications using multiple triangles and projected lines
6. Principles of oblique triangles: law of sines and laws of cosines
7. Solve oblique triangle problems and applications
8. Course review of triangles

