

Task

Write your own word problems

The sides and angles of right triangles are related. Right triangle trigonometry can be used to find side lengths or angle measures. Students will now assess how they view trigonometry by formulating their own real-world word problems in a cooperative group. These problems could possibly be used for a test. They will be assessed on completion of three different types of word problems, problem solving procedure and explanation, how technology is used and how they work in a cooperative group.

Rubric: Write your own word problems

	0	1	2	3	4
Criteria	Incomplete work	Meets minimum expectation	Meets expectations with limited assistance	Meets expectations in a self-directed manner	Exceeds expectations Resourceful, self-directed, leader
Problems Draw & Label	Incomplete	Complete	Complete	Complete	Exceeds expectations
Problem Solving	Unable to solve problems even with help	Consistently needs assistance	Plans & solves problems with limited assistance	Plans & solves problems in a self-directed manner	Plans creatively, showing originality
Use of technology & materials	Used inappropriately	Limited range of technology, materials & processes	Technology materials and/or processes used appropriately	Works efficiently	Very effective & efficient use of material, technology and/or processes
Quality	Unacceptable	Acceptable	Quality & production reasonably consistent	Good, consistent quality	Exceptional quality
Teamwork	Uncooperative	Cooperative	Works to achieve team goals	Works cooperatively & participates in a positive manner	Leads others