

# Unit One: Trigonometry

## Table of Standards and Tasks

### Content Standards

The student will be able to:

- 1).....apply formulas involving angle and distance.
- 2).....use trig functions to model situations.
- 3).....identify, describe, and classify relationships within and among geometric figures.
- 4).....analyze and solve problems involving triangles using trigonometric ratios.
- 5).....use inductive and deductive reasoning.

### Process Standards

The student will be able to:

- 6).....organize material.
- 7).....explain thought process.
- 8).....collaborate with peers to reach consensus.
- 9).....use technology to solve problems.

	1	2	3	4	5	6	7	8	9
Similar Triangles	✓		✓	✓	✓	✓	✓	✓	✓
Discovering Trigonometry			✓	✓		✓	✓	✓	
Trigonometric Functions	✓	✓		✓	✓	✓	✓		✓
Inverse Trigonometric Functions	✓	✓		✓	✓	✓	✓		✓
Angle of Elevation/Depression	✓	✓	✓	✓	✓	✓			✓
Write Your Own Word Problems	✓	✓	✓	✓	✓	✓	✓	✓	✓
Angle of the Sun	✓	✓	✓	✓	✓		✓		✓
Journal									
Surveying a Ropes Course	✓	✓		✓	✓	✓	✓		✓
Law of Sines	✓			✓	✓		✓		✓