

5.2 Fit a model to given data (linear, quadratic, and exponential regression)

Standard 7: The student understands and applies basic and advanced properties of the concepts of geometry.

7.1 Use trigonometric functions to solve right triangle problems

7.2 Solve for unknown part of triangles using Law of Sines and Law of Cosines

7.3 Use matrices for geometric transformations

7.4 Solve simple equations involving circular functions and their inverses
graph circular functions

Standard 8: The student understands and applies basic and advanced properties of the concepts of measurement.

8.1 Measure angles using radians or degrees, as appropriate
convert between degrees and radian measurements of angles

Standard 9: The student understands and applies basic and advanced properties of the structure of mathematics.

9.1 Construct logical verifications or counter examples to test conjectures and to justify algorithms and solutions to problems (i.e., use deductive reasoning)

9.2 Use formal mathematical language and notation to represent ideas, to demonstrate relationships within and among representation systems, and to formulate generalizations

9.3 Understand the difference between a statement that is verified by mathematical proof and one that is verified empirically using examples or data