

Advanced Placement Physics

The AP Physics summer assignment consists of a review of vector trigonometry. Concepts include:

- (a) Definition and use of sine, cosine, and tangent (including inverse functions)
- (b) Pythagorean's theorem
- (c) Law of cosines and sines (optional)
- (d) Definition of a vector
- (e) Components of vectors
- (f) Vector addition and subtraction (graphical and using components)

Content for this summer assignment is taken from the current AP Physics textbook, and is available at the Kempsville High School Guidance Office. Problem numbers are selected from this passage and answers to odd-numbered problems are provided as a reference. Please contact Mr. Behson at Paul.Behson@VBSchools.com with questions.