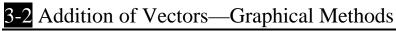
Chapter 3 Reading Guide AP Physics B

3-1 Vectors and Scalars

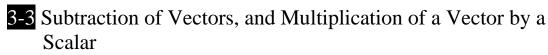
What is the difference between a vector and a scalar?

Name some examples of each.



Describe and diagram how you would add vectors graphically.

What is vector notation?



How do you subtract vectors?

How do you multiply a vector by a scalar quantity? What is the result?

3-4 Adding Vectors by Components

What are components?

How do you resolve a vector into components?

What trigonometric functions are necessary?

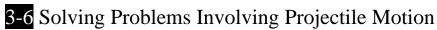
What problem solving techniques are used for adding vectors?

Sample Problems

Reading Guide

3-5 Projectile Motion

Describe projectile motion.



Key Equations:

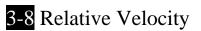
Problem Solving Techniques:

Sample Problems

3-7 Projectile Motion is Parabolic

Why can you describe the path of a projectile as parabolic?

Show y (the vertical position) as a function of x (the horizontal position).



What does relative velocity refer to?

Why is drawing a diagram so important?

How do you remember which vectors to add?

Sample Problems