Chapter 3-3 Notes

Projectile Motion

- Velocity and displacement can be broken down into x and y components.
- Imagine a high jumper, he or she has both a horizontal and a vertical velocity.

Horizontal velocity = vx

Vertical velocity = vy

Projectile Motion

- Objects that are thrown or launched into the air and are subject to gravity are called projectiles.
- The path of a projectile is a curve called a parabola.
- The horizontal velocity of the projectiles for sample problems will be considered constant -no air resistance

Equations

- $y = -1/2\ g\ (t^2)$
- $x = v_x\ (t)$

Assignment

- Unit 3.3 Worksheet