Lesson 8 - The Fundamental Theorem of Calculus II

Objectives

- Evaluate integrals using the Fundamental Theorem of Calculus.
- Given an initial condition, and any rate of change function find the particular function that satisfies the initial condition.
- Given initial conditions and an equation for acceleration find velocity and position equations.

READ

- Review lesson 7 reading material.
- Stewart, Chapter 4.9, p. 342-344
- Stewart, Chapter 5.3, p. 384-387

THINK ABOUT

- How would you define a constant of integration?
- If you had to explain what the constant c is when you integrate it how would you go about doing it?

MATHEMATICA COMMANDS AND TASKS YOU NEED TO KNOW

No new commands.