

**Lesson 38 - Applications - Center of Mass I**

Objectives

- For any region in the  $xy$  plane:
  - Sketch the region.
  - Label the boundaries.
  - Label the intersections.
- Find the center of mass of any lamina whose *base* is a specified region in the  $xy$  plane and whose *top* is a given function  $f(x, y)$ .

READ

- Stewart, Chapter 15.5, page 980-983 (up to “Moment of Inertia”)

MATHEMATICA COMMANDS AND TASKS YOU NEED TO KNOW

No new commands.