Homework Problem H14.A

Given: The shaded area shown lies between a straight line at x = -2b and the function $x^2 = 4by$.

Find: You are asked to find the centroid of this area using integration.

- a) Carefully define the differential area that you will be using.
- b) Using this differential area, determine the area, and the x- and y-components for the location of the centroid of the area. Leave you answers in terms of b.

