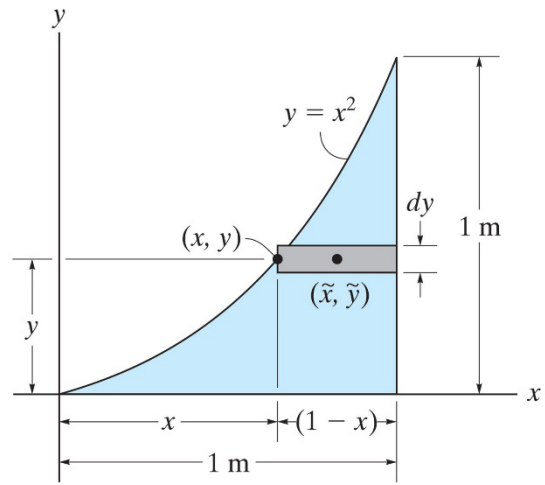
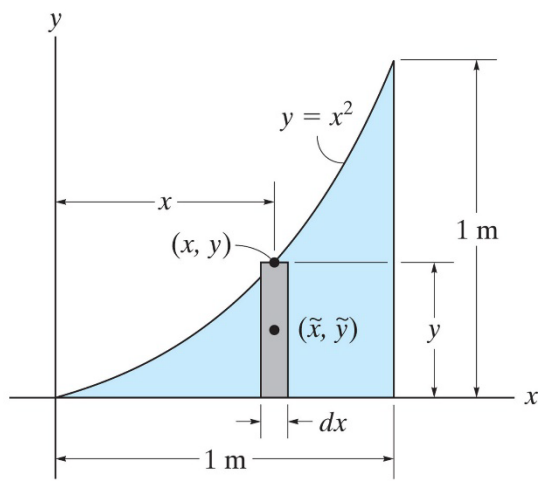
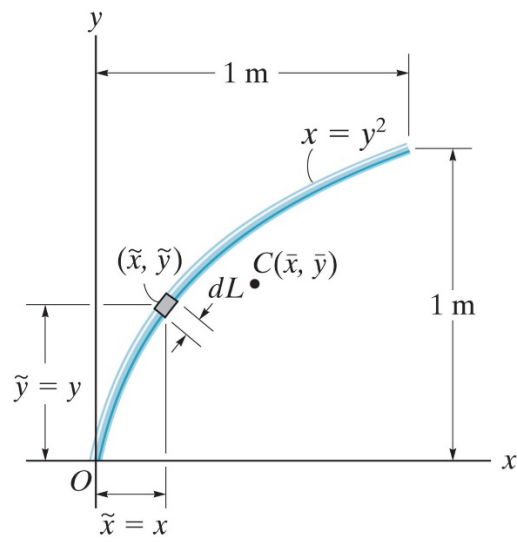


Find the centroid of the area shown below



Find the centroid of the curved rod



Two blocks of different materials are assembled as shown.

The densities of the materials are:

$$\rho_A = 150 \text{ lb / ft}^3 \text{ and } \rho_B = 400 \text{ lb / ft}^3.$$

Determine the centre of gravity of this assembly.

