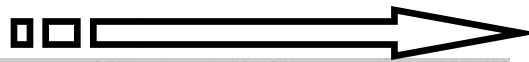
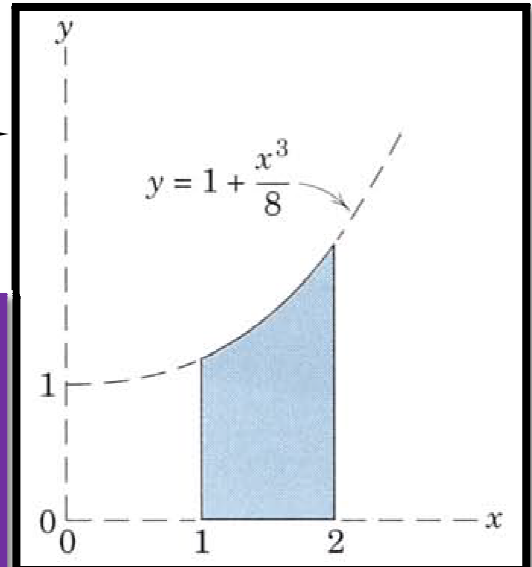


Tutorial no.: 5

Q.1:

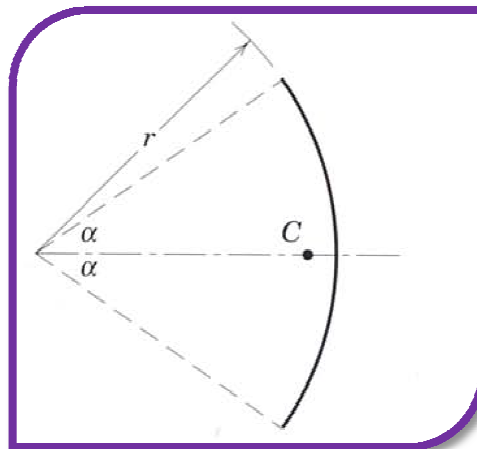


Determine the x - and y -coordinates of the centroid of the shaded area.



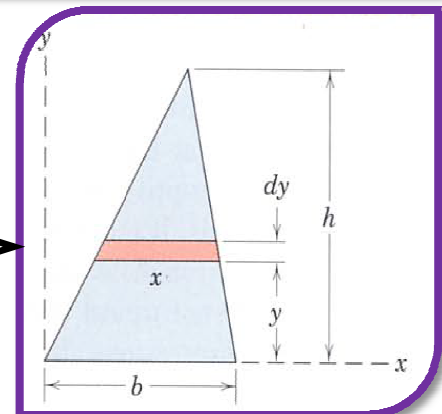
Q.2:

Locate the centroid of a circular arc shown in the figure.

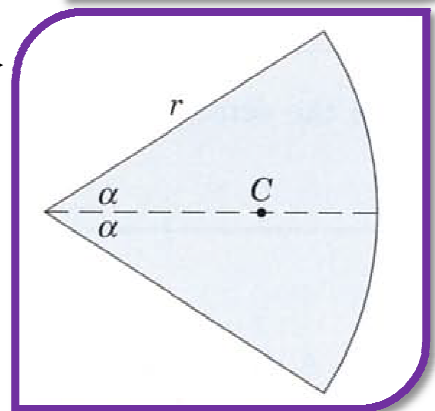
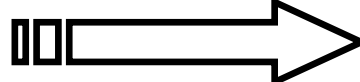


Q.3:

Determine the distance \bar{h} from the base of a triangle of altitude h to the centroid of its area.



Q.4: Locate the centroid of the area of a circular sector with respect to its vertex.



Q.5:

Locate the centroid of the area under the curve $x = ky^3$ from $x = 0$ to $x = a$.

