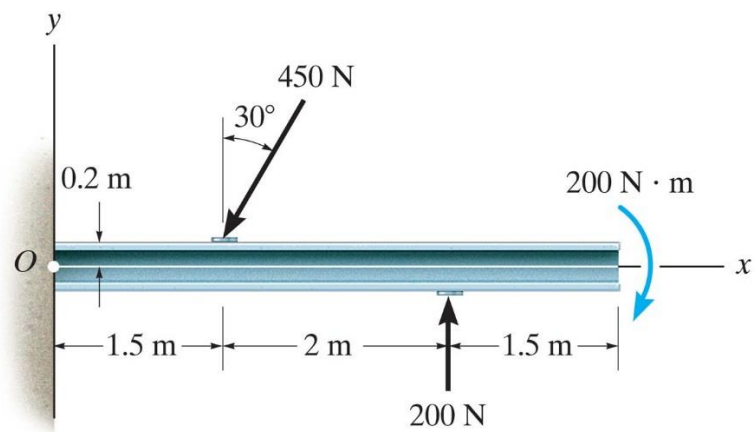
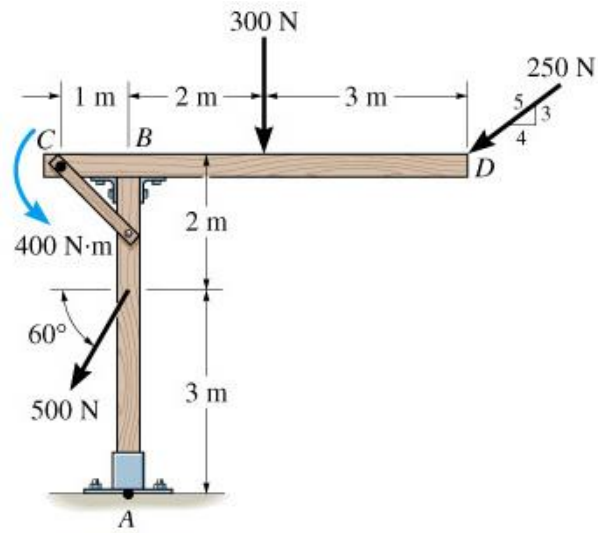


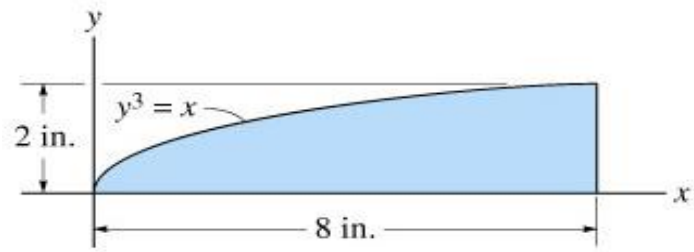
Replace the system by an equivalent force and moment at point P .



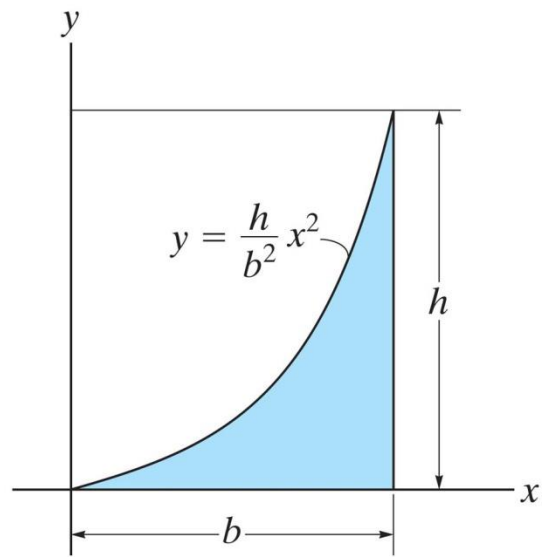
Replace the loading with an equivalent force and specify where this force intersects the centerline of the beam, measured from point O.



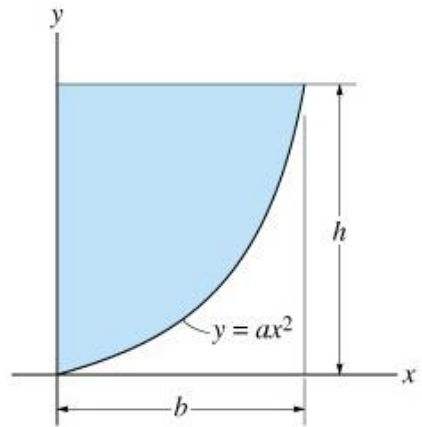
Replace the loading on the frame with a resultant force and specify where its line of action intersects member CD , measured from C .



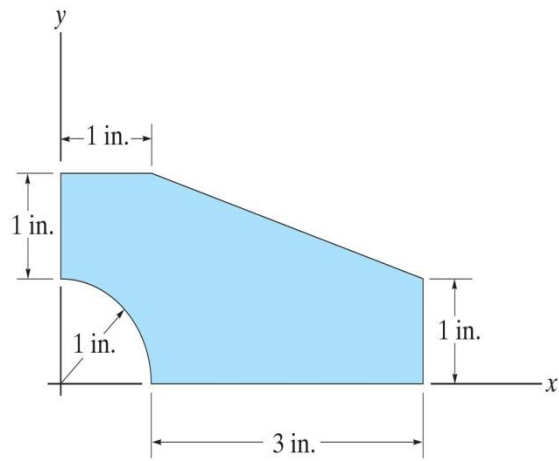
Find \bar{x} & \bar{y} of the shaded area.



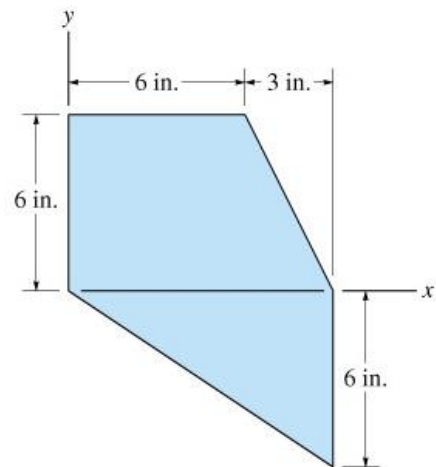
Calculate \bar{x} of the shaded area. Take $b=2$ inches and $h=3$ inches.



Find \bar{x} of the shaded area. Take $a=3 \text{ mm}$, $b=2 \text{ mm}$, and $h=12 \text{ mm}$.



Locate the centroid (\bar{x} , \bar{y}) of the shaded area.



Locate the centroid of the area from both the x and y axes.
