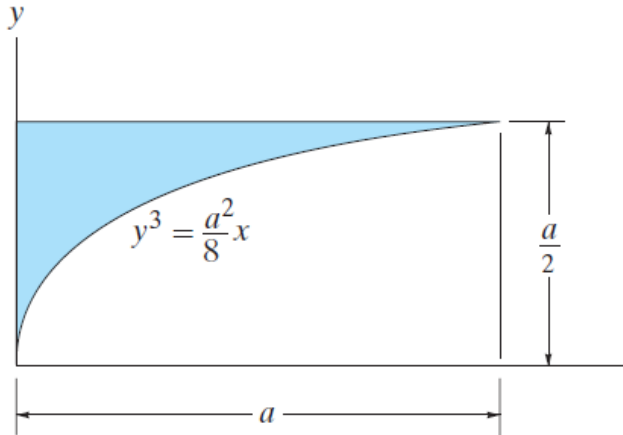


StarID or TechID (no names) _____

Show your work (you will not receive any credit if all you have is a final answer, right or wrong).
Do one of the two problems shown below (the second problem is on the back).

1. Determine the location of the centroid (\bar{x}, \bar{y}) of the area. Set $a = 8$ inches.



2. Determine the moment of inertia of the composite area about the y-axis (the area is symmetric about the y-axis).

