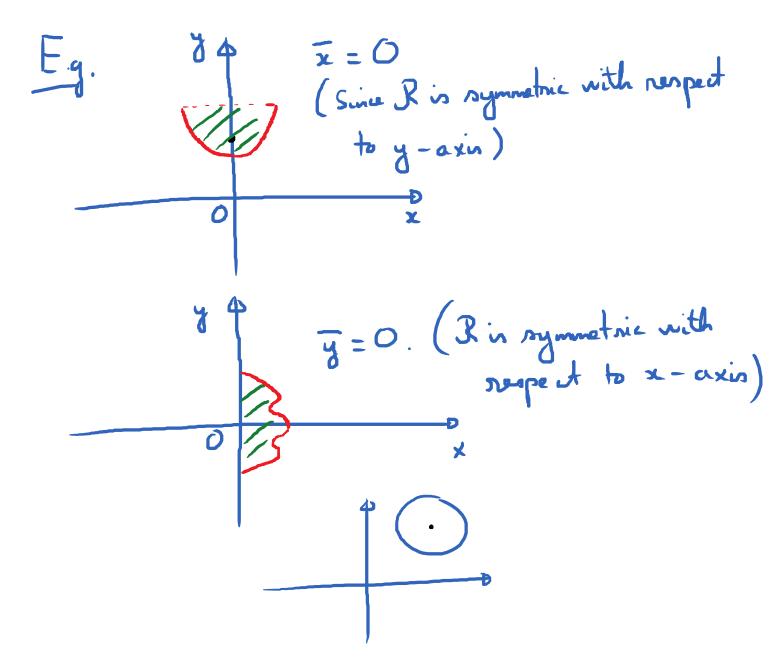
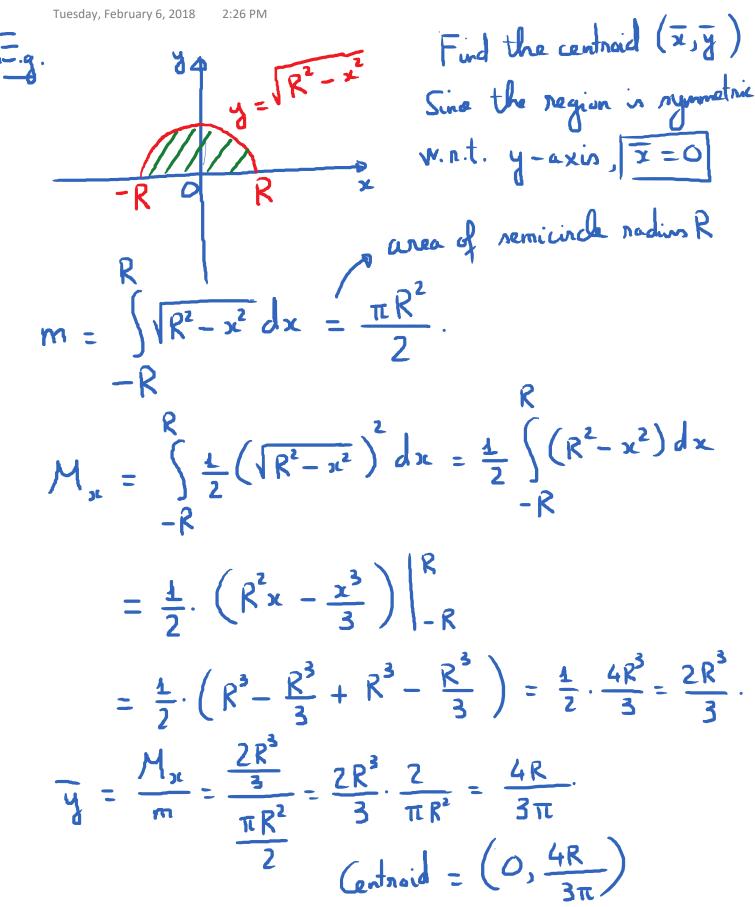
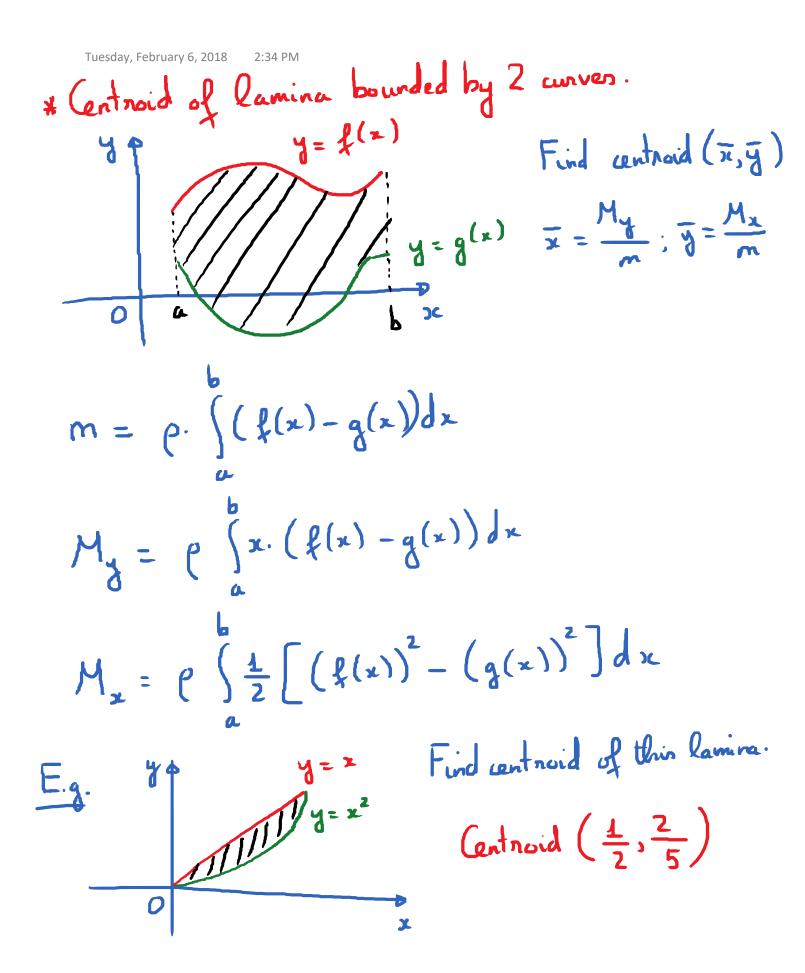
Where does the formula for
$$M_X$$
 and M_y come from?
Divide R into "thin" rectangular strips. Back
to the case with discrete masses.
 $y = f(x)$
 $y = f(x)$

Tuesday, February 6, 2018 2:21 PM The symmetry Principle. f a lamina R is symmetric about a line then the centraoid of R must lie on L.







* Application of Centroid in finding volumer of solid of revolution - Theorem of Pappun. heurem of Pappus: If a solid S is obtained by notating a region 'R about an axis, then the volume of S is equal to the product of the area of R and the distance traveled by the cantnoid of K $V_{\text{Solid S}} = (Area of R) \cdot (d)$ distance traveled by centroid.

