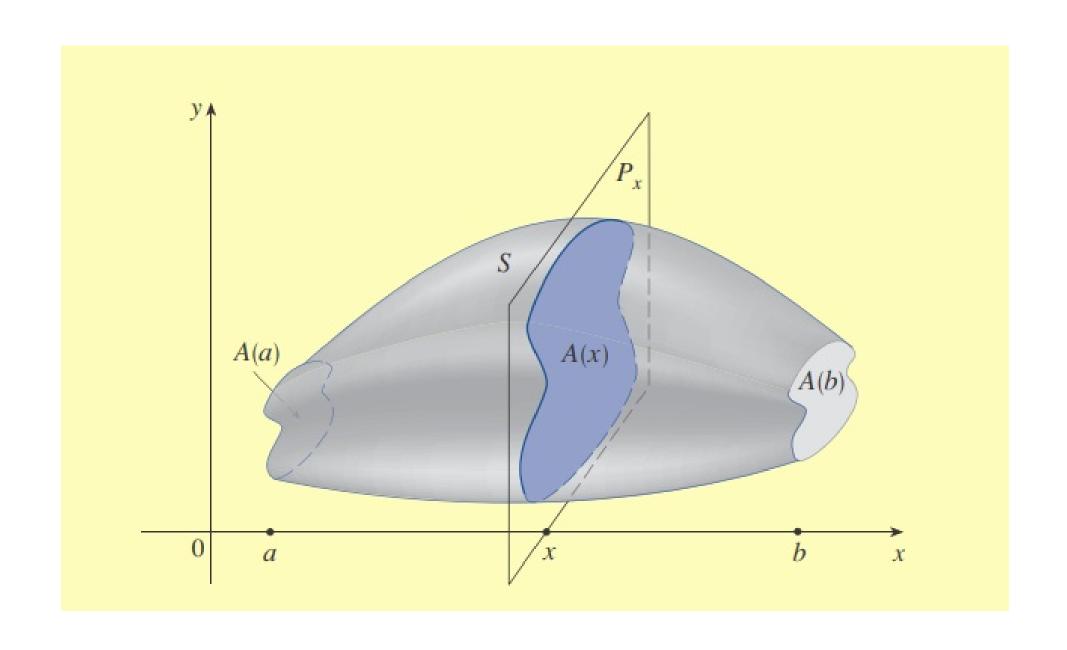
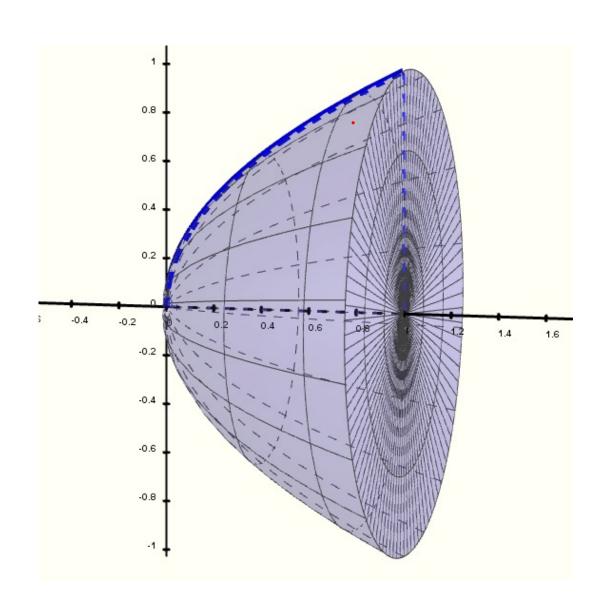
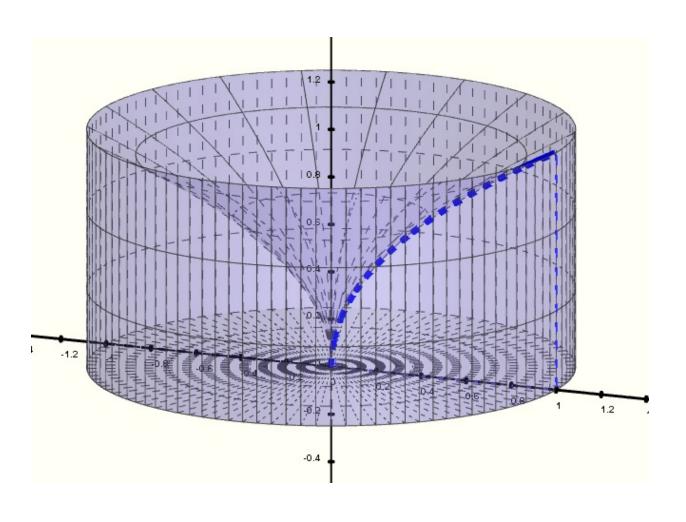
Aplicaciones de la integral

Volúmenes

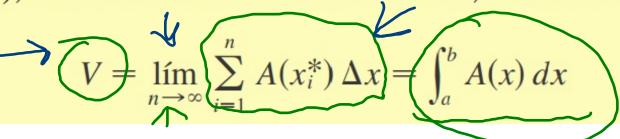


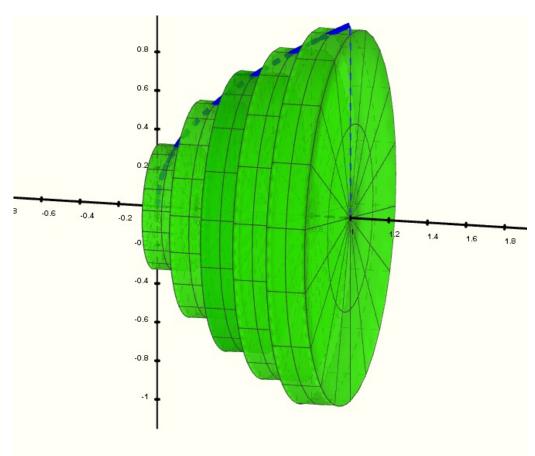
Sólidos de revolución

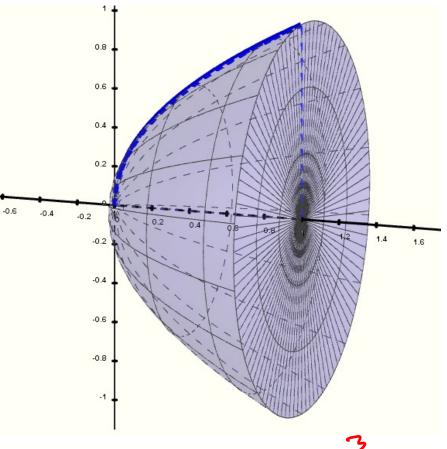


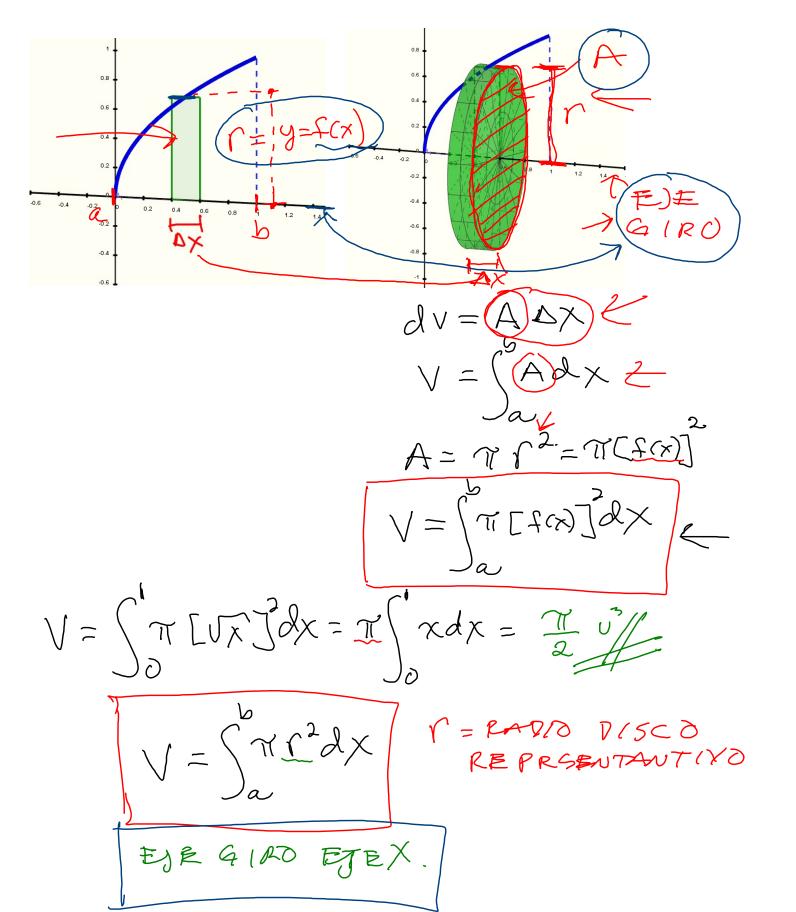


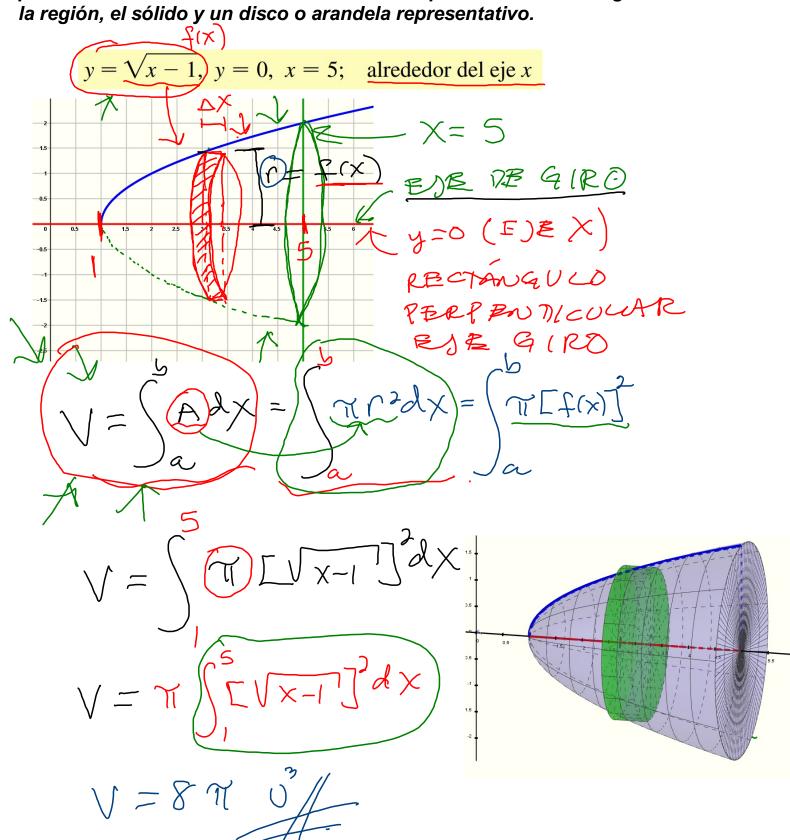
Definición de volumen Sea S un sólido que está entre x = a y x = b. Si el área de la sección transversal de S en el plano P_x , que pasa a través de x y es perpendicular al eje x, es A(x), donde A es una función continua, entonces el **volumen** de S es

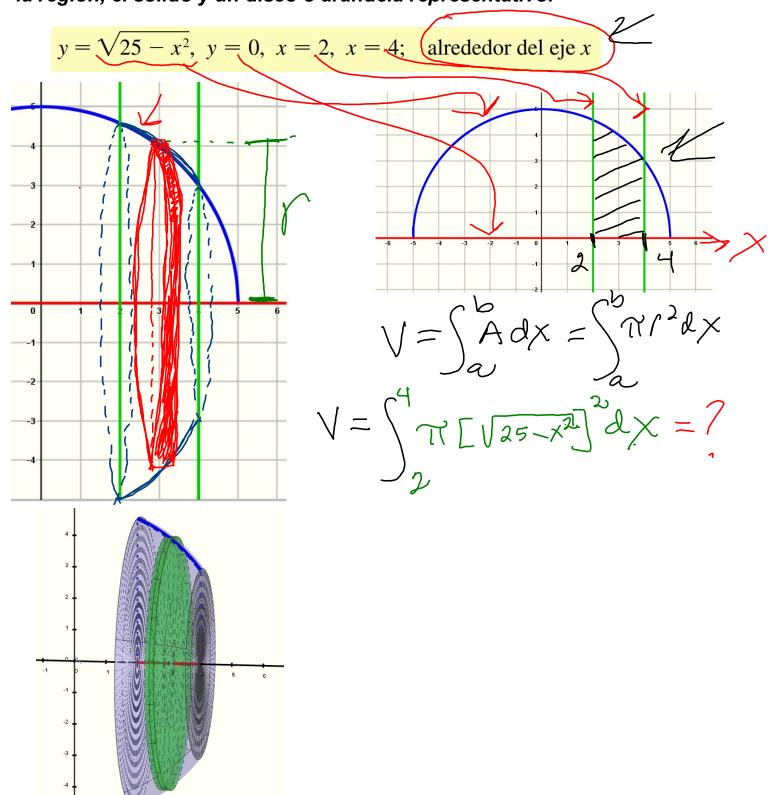


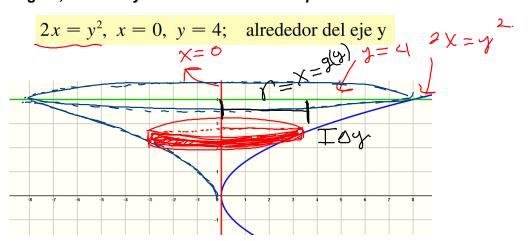


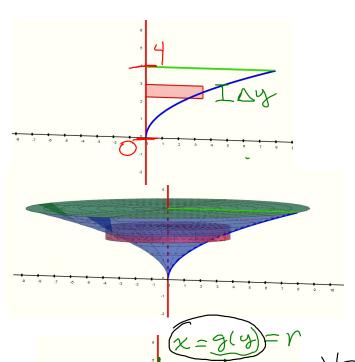


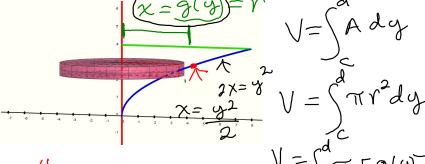












$$V = \int_{0}^{4} \sqrt{\frac{y^{2}}{2}} dy = ?$$

$$V = \int_{0}^{4} \sqrt{\frac{g^{2}}{2}} dy = ?$$

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$$EDE GIM$$

