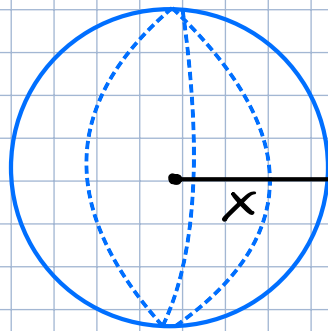
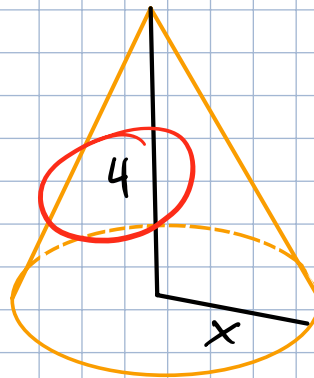


Obtener el valor de  $x$   
utilizando las siguientes  
figuras.

BytePlanet



Esfera



Cono

Igualar los volúmenes

$$V_E = V_C$$

$$\frac{4}{3} \pi r^3 = \frac{\pi r^2 \cdot H}{3}$$

$$\cancel{\frac{4}{3}} \pi r^3 = \frac{\pi r^2 \cdot \cancel{4}}{\cancel{3}}$$

$$\pi r^3 = \pi r^2$$

$$\cancel{\pi} x^3 = \cancel{\pi} x^2$$

$$x^3 = x^2$$

$$x^3 - x^2 = 0$$

$$x(x^2 - x) = 0$$

$$x_1 = 0 \quad \text{ó} \quad x_2 = 1$$

$$x_1 \rightarrow 0(x) = 0$$

$$x_2 \rightarrow 1(1-1) = 0$$

$$1(0) = 0$$

$$\underline{x = 1}$$