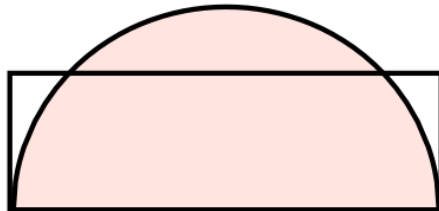


September 24th

How high should the rectangle be in order to equal the semi-circle in area?



$2x$

$$\text{Area of semi-circle} = \frac{1}{2} \pi x^2$$

$$\text{Height of rectangle} = \frac{1}{2} \pi x^2 \div 2x = \frac{1}{4} \pi x$$

