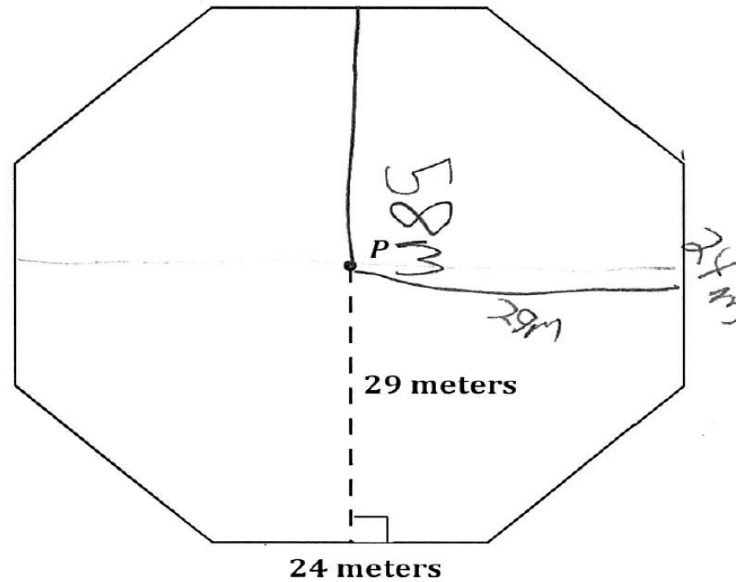


Find the area of the regular octagon with a center of  $P$ . Show all work and explain how you found your answer.



$$\begin{array}{r} 1189 \\ \times 2 \\ \hline 2378 \end{array}$$

$$\boxed{2378 \text{ m}^2}$$

I broke the shape into two trapezoids and found the area of one. Then I multiplied it by 2.

$$A = \frac{(b_1 + b_2)h}{2}$$

$$A = \frac{(24 + 58)29}{2}$$

$$A = \frac{82 \cdot 29}{2}$$

$$A = \frac{2378}{2}$$

$$A = 1189$$