

Name:

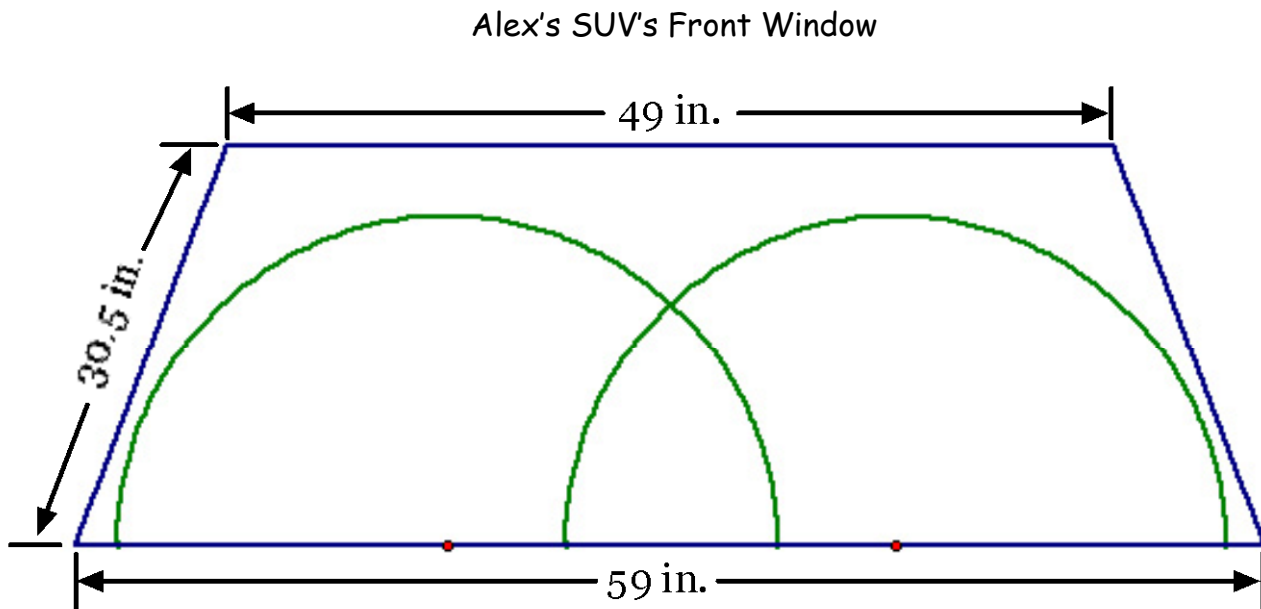
Date:

Alex's Front Window

(NS04/SR02)

On-Demand (Check One) Yes No

The front window of Alex's SUV is shaped like an isosceles trapezoid. Two 11-inch front wiper blades clear semi-circles on the front window. The wiper blades overlap an area of 50 square inches. The picture is not drawn to scale.



Area of a circle = $r^2 \pi$

Area of a Trapezoid = $[(b_1 + b_2)h] \div 2$

1. What percent of the area of the entire front window is cleaned by the front wiper blades?

Support your answer using words, numbers and/or diagrams.

Work Continued...