

67 Convert 30° to radians: $30^\circ \left(\frac{\pi}{180^\circ} \right) = \frac{\pi}{6}$. Then $A = \frac{1}{2} \cdot 1.5^2 \cdot \left(\frac{\pi}{6} \right) = \frac{3\pi}{16} = 0.1875\pi \text{ ft}^2$.