

(1) $A = 1386 \text{ cm}^2$

(2) a) $A = 2r^2$
b) $A = \frac{1}{2} \text{ cm}^2$

(3) a) $A = a^2 \left(1 - \frac{\pi}{6} - \frac{\sqrt{3}}{4} \right)$
b) $A = 6.36 \text{ cm}^2$
c) 4.42%

(4) a) $A = a^2 \left(1 - \frac{2\pi}{3} - \sqrt{3} \right)$
b) $A = 254.67 \text{ cm}^2$
c) 63.7%