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WKST Key: Sector Area & Arc Length

① $s = \frac{39\pi}{4}$ ft

② $s = 10\pi$ inches

③ ~~$s = \frac{1}{4}\pi$~~ $\theta = \frac{3}{64}$

④ $A = 147\pi$ cm²

⑤ $A = 144\pi$ ft²

⑥ $A = \frac{245\pi}{8}$ mi²

⑦ $s = 3\pi$ mm, $A = 18\pi$ mm²

⑧ $s \approx 14.3989$ ft

⑨ $\theta \approx 3.9269$ radians

⑩ $A = \frac{175\pi}{2}$ m² or 274.8893 m²

⑪ $A = 175\pi$ m² or 549.7787 m²

⑫ Radian; Radian is $\approx 57.2957^\circ$ whereas Degree is 1° .