Homework

p. 863: 32, 36, 39, 40, 41, extra prb.

FINDING ARC LENGTH AND AREA **Find the arc length and area of a sector with the given radius r and central angle θ.**

32. $r = 4$ in., $\theta = \frac{\pi}{6}$

36. $r = 18$ m, $\theta = 25^\circ$

Evaluate the trig functions without using a calculator. Sketch the right triangle used to solve.

39. $\cos \frac{\pi}{3}$

40. $\sin \frac{\pi}{4}$

41. $\tan \frac{\pi}{6}$

ALSO: $\csc \frac{\pi}{3}$