



4. a. Convert 70 degrees to an angle in radians.                      b. Convert 12 radians to an angle in degrees.
- c. Convert  $\pi/9$  to an angle in degrees.
5. Evaluate these with your calculator.
- a.  $\sin(10^\circ)$                        $\sin(10)$                       b.  $\sec(\pi/3^\circ)$                        $\sec(\pi/3)$
6. Given a circular sector with area  $A$ , central angle  $\theta$ , radius  $r$  and arc length  $s$ ,
- a. If  $r = 6$  and  $\theta = 60^\circ$ , find  $s$  and  $A$ .                      b. If  $A = 12$  and  $s = 5$ , find  $\theta$  and  $r$ .

