Warm-up

1. Given a wheel with a 2 foot radius that spins one revolution in 20 seconds, how fast is that in miles per hour? Round to two decimal places.

2. Find the length of the arc (s) in a circle if the radius is 12" and the angle is 5 radians. Round to three decimal places.

3. Find the area of a sector (A) for a circle that has a radius of 15 feet and the angle is 42 degrees. Round to three decimal places.

4. Find the angle (θ) in radians for a circle that has a radius of 4 inches and an arc length of 8 inches. Round to three decimal places.