

Math 375, Spring 2026, Quiz 11, 3/2/26

Name:

1) A circular arc is 612 mm long and creates an angle of 205° around the circle. Find the radius of the circle.

2) A swing makes 5 complete cycles in 13.6 seconds. Find the period and the frequency.

Ans:

1) 171 mm.

2) period = 2.72 seconds, frequency = 0.37 cycles per second