

Classwork 11
Precalculus MTH 130
Instructor: Abhijit Champanerkar

Name: _____

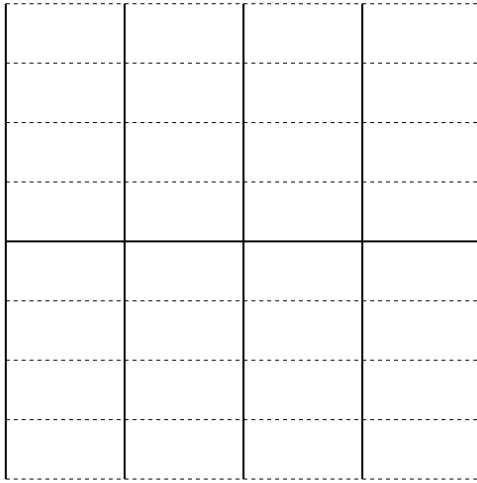
1. Convert from degree to radians: (a) 480° (b) 540° (c) 315° ☐

2. Convert from radians to degrees: (a) $4\pi/3$ (b) $7\pi/6$ ☐

3. Find area of a sector of a circle with central angle 60° and radius 3 mi. ☐

4. A ceiling fan with 16 in blades rotates at 45 rpm. Find the angular speed of the fan in rad/min and the linear speed of the tip of the blade in in/min. ☐

5. $y = -4 \sin 2(x + \pi/4)$



Amplitude= _____

Period = _____

Frequency = _____

Phase shift = _____