Classwork 13 Precalculus MTH 130 Instructor: Abhijit Champanerkar

Name:

1. Use a calculator to find approximate value of the angle in radians. Which quadrant does the angle lie in ? (a) $\tan^{-1}(-4)$ (b) $\cos^{-1}(-1/4)$ (c) $\sin^{-1}(-0.74)$

2. Find the **exact** value of $tan(sin^{-1}(2/3))$ by drawing a right triangle.

3. A 50 ft pole casts a 20 ft long shadow. Find the angle of elevation of the sun in radians and in degrees.