

**Classwork 9**  
Precalculus MTH 130  
Instructor: Abhijit Champanerkar

Name: \_\_\_\_\_

1. Find  $P(x, y)$  on the unit circle if  $P$  is in the second quadrant and the y-coordinate is  $3/7$ .  $\square$

2. If  $\cos t = 1/3$  and  $t$  is in quadrant IV, find the values of all the trigonometric functions at  $t$ .  $\square$

3. Plot the graph  $y = \sin x$  and  $y = 3 \sin(2x + \pi)$  on the same graph below. Mark the points on the x-axis clearly.

