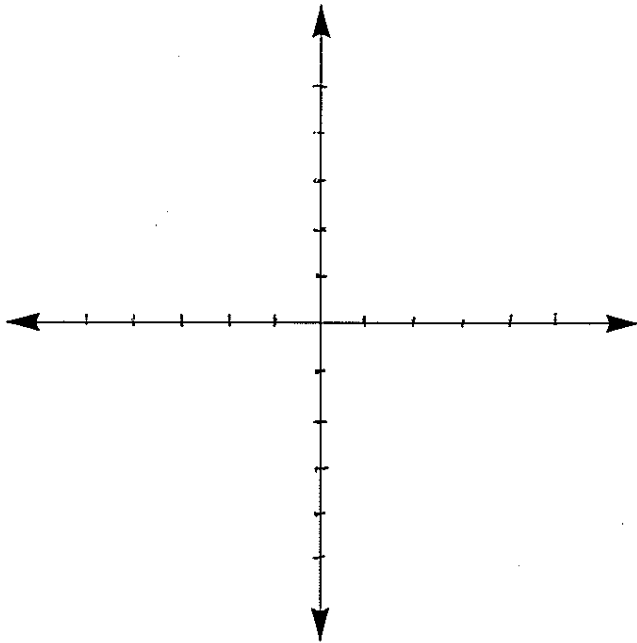


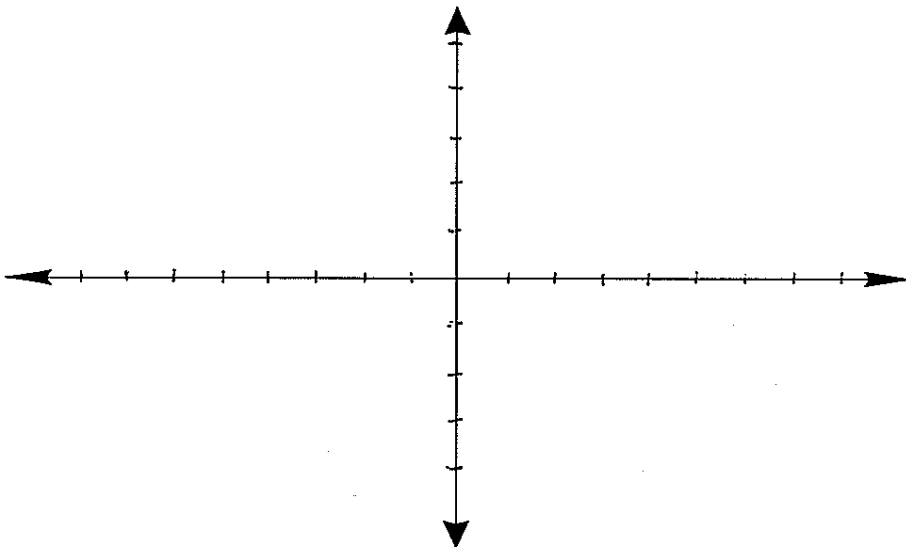
Quiz 2A - Math 130

Name: _____

1. (3 points) Give the period, phase shift and equations of two asymptotes of $y = -\tan(2x - \frac{\pi}{4})$
Sketch at least two periods of the graph.



2. (2 points) Sketch the graph of $y = 3\left|\cos\left(x - \frac{\pi}{4}\right)\right|$.



3. (2 points) Find the exact value of

(a) $\tan\left(\frac{-\pi}{3}\right)$

(b) x , if $\cos x = \frac{\sqrt{2}}{2}$, on the interval $[0, 4\pi)$.

4. (1 point) Find the reference angle θ_R if $\theta = 547^\circ$.

5. (2 points) Approximate (to the nearest tenth of a degree) all solutions to $\csc \theta = 1.485$ on the interval $[0^\circ, 360^\circ)$