Calculus I	Name:
DLA Series 8	Class:
Due Date:	Score:

No Work \Leftrightarrow No Points

Use Pencil Only \Leftrightarrow Be Neat & Organized

1. (6 points) Graph $f(x) = |\tan x|$ over the interval $\left(-\frac{\pi}{2}, \frac{\pi}{2}\right)$, then clearly shade the region bounded by $f(x), x = -\frac{\pi}{4}, x = \frac{\pi}{4}$, and the x-axis.



2. (6 points) Find all solutions for $\sin x \cos x + \cos x = 0$ on $[0, 2\pi)$.

3. (6 points) Graph $f(x) = \sec x$ over the interval $\left(-\frac{\pi}{2}, \frac{\pi}{2}\right)$, then clearly shade the region bounded by $f(x), x = -\frac{\pi}{4}, x = \frac{\pi}{4}$, and y = 2.



4. (6 points) Find all solutions for $\cos^2 x - \sin^2 x = 0$ on $[0, 2\pi)$.

4. _____

5. (6 points) Find all solutions for $\tan^2 x - 3 = 0$ on $[0, 2\pi)$.

5.