CALCULUS ONE HOMEWORK

Section 2.2-#7, 8, 9, 11, 12 **NOTE:** The equation of the line tangent to the graph of $f$ at $x = a$ is $y - f(a) = f'(a)(x - a)$. More problems from this section will be assigned after class on 10/26.

Section 1.6-#1-8 all, 11-27 all 29-32 all, 41, 42 **NOTE:** #11-$\lim_{x \to \infty} \frac{1}{x} = 0$,
#21-multiply by $\frac{4}{\sqrt{x^5}}$, #27-Multiply by $\frac{1+\cos \theta}{1+\cos \theta}$, #29-$\sin(x)$ oscillates from -1 to 1 on $(-\infty, \infty)]$

Section 1.5-#1-4 all, 5abcd, 6abcd, 11-19 all, 21-32 all, 35, 36

Section 1.3-#1-4 all, 9-40 all, 43

Section 1.2-#1-40 all

Section 1.1-#1-10 all, 17-26 all