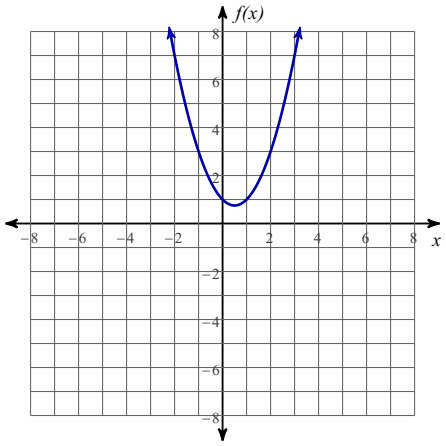
AP Calculus AB Name_____

Are You A Secan or a Secant? Due 9/23

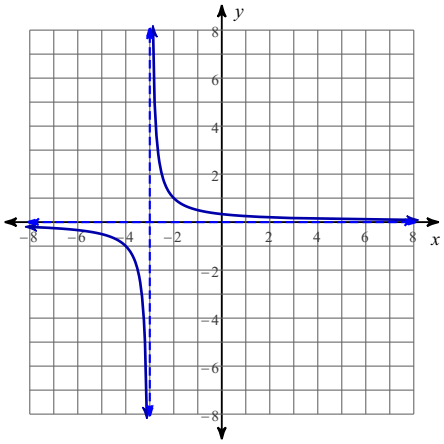
Date_____

For each problem, find the equation of the secant line that intersects the given points on the function.

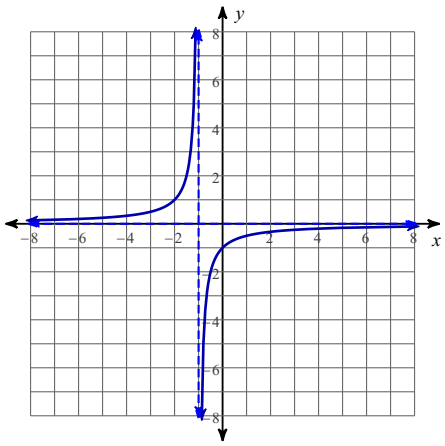
1) $f(x) = x^2 - x + 1;\ (1, 1), (3, 7)$



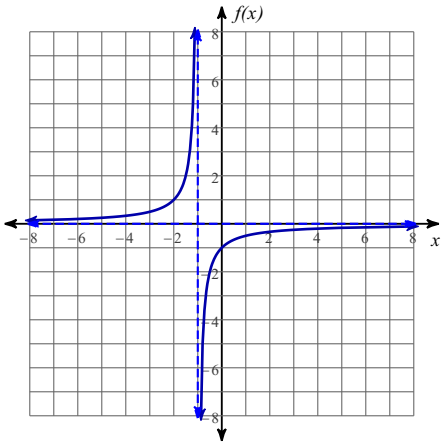
2) $y = \frac{1}{x + 3};\ \left(-1, \frac{1}{2}\right), \left(1, \frac{1}{4}\right)$



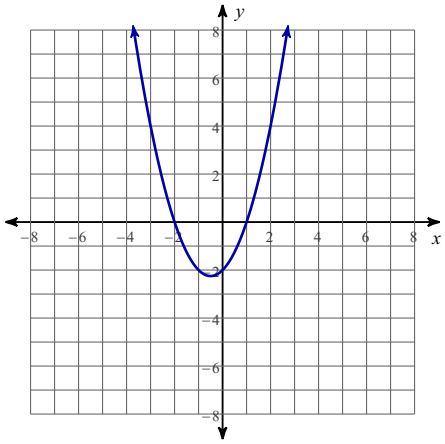
3) $y = -\dfrac{1}{x+1}$; $(0, -1), \left(1, -\dfrac{1}{2}\right)$



4) $f(x) = -\dfrac{1}{x+1}$; $\left(1, -\dfrac{1}{2}\right), \left(2, -\dfrac{1}{3}\right)$



5) $y = x^2 + x - 2$; $(-1, -2), (1, 0)$



6) $f(x) = \dfrac{1}{x+2}$; $(-1, 1), \left(0, \dfrac{1}{2}\right)$