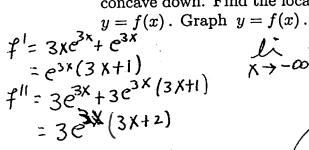
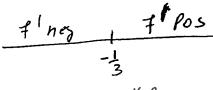
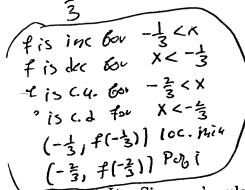


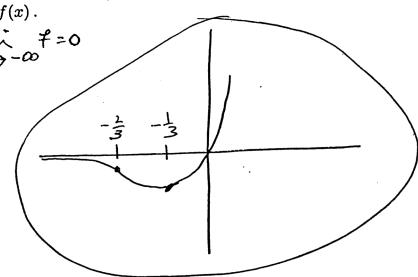
9. Let $f(x) = xe^{3x}$. Where is f(x) increasing, decreasing, concave up, and concave down? Find the local maxima, local minima, and points of inflection of y = f(x). Graph y = f(x).











10 Use Simpson's rule to estimate the area of the following shape.

