1. (5 points) Using the definition of the derivative to evaluate the derivative of $f(x) = 8x^2 + 1$.

2. (5 points) Find the derivate of $f(x) = (x^2 + x + 1)(\sqrt{x} - x)$

- 3. (10 points) for the function $f(x) = 3x^2$
 - 1. Find f'(x)

2. find the equation of the tangent line to f(x) at the point x=3