1. Use the limit definition to find f’(x) for f(x) = $\sqrt{2x+1}$. Show all work
2. Write the limit definition of derivative: f’(x) = lim
3. For the function f(x) =$\frac{2}{x}$, use the limit definition of derivative to find the slope of the tangent line to the function at x=4.

 Show all steps for full credit.

 (b) Find the equation of the tangent line to f(x) at x=4. Show all work.