## Math 170: Quiz 8

## Sayan Mukherjee's discussion

## February 18, 2021

**Problem 1.** Use the definition of the derivative to compute f'(4), where  $f(x) = \frac{1}{\sqrt{x}}$ . What is the equation of the tangent line to the graph of f at the point  $\left(4, \frac{1}{2}\right)$ ?