

The Quotient Rule (Part 2)

Name _____

Find the extreme values of the rational function as well as the equation of the tangent line at a given point when asked.

1) a) Find the extreme values for the graph of $y = \frac{x^2 + 4}{2x - 3}$

b) Find the equation of the tangent line at $x = 4$

2) a) Find the extreme values for the graph of $y = \frac{2x-1}{x^2}$

b) Find the equation of the tangent line at $x = 1$

3) Find the extreme values for the graph of $y = \frac{x^3-7}{x-3}$ (You will need your calculator to solve for some of these values)