Student Name:Score:Derivatives using Quotient RuleSheet 1Find the derivatives using quotient rule: $y = \frac{x}{x+1}$ $y = \frac{x}{x+1}$ $y = \frac{x^2}{3x-1}$

$$y = \frac{x^9 - 1}{\sqrt{x^2 - 1}} \qquad \qquad y = \frac{4x^2}{x^3 + 3}$$

$$y = \frac{x^3}{\sqrt{x}+1} \qquad \qquad y = \frac{x+1}{x-1}$$

$$y = \frac{x^2 + 3}{x^2 + 4} \qquad \qquad y = \frac{\sqrt{x}}{x + \frac{7}{2}}$$

