Name: _____

1. [5 points] Find the intervals of increase/decrease, and the *x*-coordinates of relative extrema for the following function.

$$f(x) = \frac{2x^3}{x-4}$$

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Intervals of increase (if any):	
Intervals of decrease (if any):	
Relative maxima (if any):	
Relative minima (if any):	

 $\mathbf{OVER} \rightarrow$

2. [5 points] Find the equation of the tangent line to the given curve at the specified point.

$$y^2x + \frac{2x}{y} = 5;$$
 (1,2)