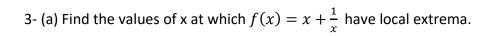
Quiz 5

Name:	ID:
1- The edge of a cube was found to be 30 cm with possible error in measurement of 0.1 cm. Find the maximum relative error in computing the volume of the cube.	
2- If $f(1)=10$ and $f'(x)\geq 2$ for $1\leq x\leq 4$, find the	smallest possible value of $f(4)$.



(b) Find the absolute maximum and minimum values of the above f in
$$[0.5,2].$$

4- Find the intervals of concavity and the infliction points of
$$f(x) = 2x^2 - x + \ln x$$
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