Math 34A Winter 2020 Quiz #5a				PERM I	NUMBER
No calculators	PRINT NAME				
Put your answer in the	box provided.	TA: Garo Tr	evor		8am
1. Andy is out for a run. The rate at which Andy burns calories depends on the pace of his run – a faster pace burns calories quicker. Let x be his pace, in minutes per kilometer, and $f(x)$ be the rate at which he burns calories (in calories per hour) at pace x .					
(a) What are the units of	f'(x)?				
(b) If $f(x) = 240/x$, what	is the average rate of chang	ge between $x = 8$ and x	= 10?		