Math 4B Summer 2020 Quiz #1	ner 2020			PERM NUMBER					
No calculators	PRINT NAME								
Put your answer in the	provided.	TA: Trevor Fabio	$\operatorname{Tim}\epsilon$	2: 4:30 5:30	☐ 6:30 ☐ 7:30				
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 $f'(x)$?									
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(b) If $f(x) = 240/x$, what is the	average rate of change	between $x = 8$ and $x = 8$	c = 10?						

Math 4B Summer 2020 Quiz #1b			_	PERM NUM	IBER					
No calculators	PRINT NAME									
Put your answer in the	box provided.	TA: Trevor Fabio		Time: 4:30 5:30	6:30 7:30					
1. Andi is out for a run. The rate at which Andi burns calories depends on the pace of her run – a faster pace burns calories quicker. Let x be her pace, in minutes per mile, and $f(x)$ be the rate at which she burns calories (in calories per hour) at pace x .										
(a) What are the units of	of $f'(x)$?									
(b) If $f(x) = 300/x$, wha	at is the average rate of chang	e between $x = 10$ and x	x = 15?							