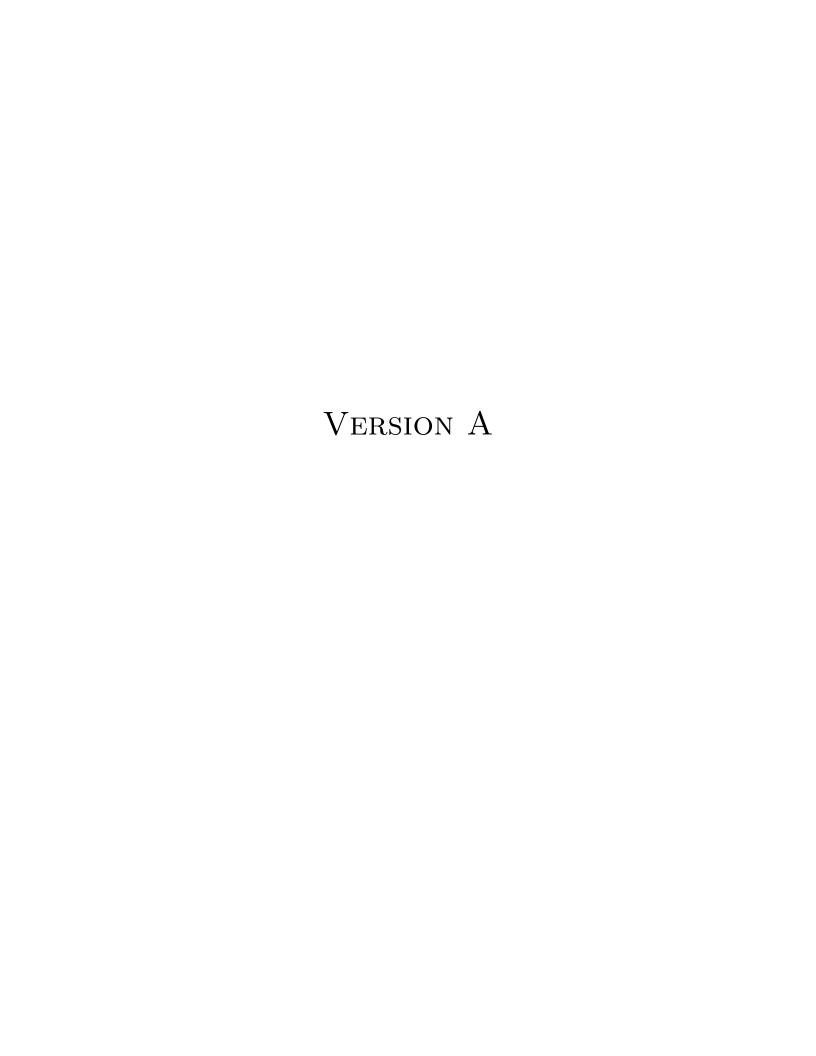
Math 34A Winter 2020 Quiz #5a				PERM NUM	1BER		
No calculators	PRINT NAME						
Put your answer in the bo	provided.	<b>TA:</b> Garo Sam	Trevor	Time: 8am 5pm	☐ 6pm ☐ 7pm		
1. Andy is out for a run. The rate at which Andy burns calories depends on the pace of his run – a faster pace burns calories quicker. 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 $f'(x)$ ?							
			L				
(b) If $f(x) = 240/x$ , what is the a	average rate of change	e between $x = 8$ an	and $x = 10$ ?				



Math 34A Winter 2020 Quiz #5b			PERM NUMBER				
No calculators	PRINT NAME						
	box provided.	TA: Trevor Sa	m <b>Time:</b> 8am 6pm 5pm 7pm				
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 $f'($	(x)?						
(b) If $f(x) = 300/x$ , what is	the average rate of change	between $x = 10$ and $x = 10$	= 15?				

