Do not		
write here!	Name:	
	Perm Number:	hw3
		ME179P W21
Homework Assign	ment #3	
	pencil, and write INSIDE the answer boxes provided. Determ number CLEARLY at the top of EVERY page,	inside the boxes provided.
Exercise 3.1: Shor	ctest paths and distances on the cir	rcle
E3.1(i) Answer:		
E3.1(ii) Answer:		



E3.1(iii) Answer:

Name:		
Perm Number:		



E3.1(iv) Answer:	

Do not		_
write here!	Name:	3
	Perm Number:	$\mathbf{hw3}$
		ME179P W21
Exercise 3.2: Shor	test paths and distances on the 2-	-torus
E3.2(i) Answer:		
E3.2(ii) Answer:		

4
hw3
ME179P W21

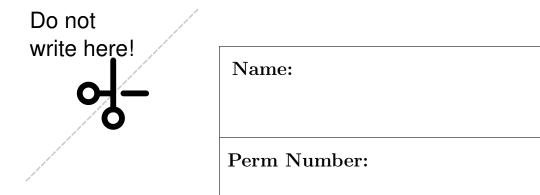
E3.6(i) Answer:

Name:		
Perm Number:		

Do no write h	-
-6	

Exercise 3.6: Free configuration spaces

E3.6(ii) Answer:	





3.6(iii) Answer:	