٥.	(a)	If m and n are irrational numbers, where $m \neq n$ , then mn is also irrational.	
		<b>Disprove</b> this statement by means of a counter example.	(2)
	(b)	(i) Sketch the graph of $y =  x  + 3$	
	(0)	(1) Sketch the graph of $y =  x  + 3$	

(a) "If m and n are irrational numbers where  $m \neq n$  then mn is also irrational"

(ii) Explain why  $|x| + 3 \ge |x + 3|$  for all real values of x.