PRACTICE MA 110 QUIZ #2

SECTION 1.3

NAME	Solutions	SCORE:*** RETAIN GRADED PAPERS FOR YOUR RECORDS **
C = 39x + 1905 represents the cost for a company that manufactures tennis rackets, where x is the number of tennis rackets manufactured and C is the cost, in dollars, of making x tennis rackets.		
A.	Interpret the slope of the equation in the context of the problem.	
	For each additional tennis racket manufactured the cost increases by \$39.	
B.	How much will it cost the company to produce 100 tennis rackets per day?	
	C = 39(100) + 1905 = 3900 + 1905 = 5805	\$5805
C.	If the company has enough investments to sp many tennis rackets can be made daily?	end \$7950 per day on production, how

7950 = 39 x + 1905 \rightarrow 6045 = 39 x \rightarrow x = 6045/39 = 155 155 tennis rackets