	TopicDate
3)	customers enter the waiting (ne at a cafeteria
	on first-come first serve basis, the arrival rate
	follows a poisson distribution apiTe senice
	follows exponential distribution. If average
	anvals per is 6/min and average service
	rate of simple server is 10/min. anotis
	arage no of customers in system?
	given. $\lambda = 6$, $\mu = 10$
	cystomer no. in system (1)= 1
	عرام
	= 6
	10-6
	= 6 = 1.5
3 1	average customen in waiting line is
	$\frac{1}{2} = \frac{1^{2}}{4(4-1)} = \frac{6^{2}}{10(10-6)}$
	0.9
4)	Which model system applies deductive reasoning
	of mamematical theory rosolve a model?
	Solve Support your answer
. Williams	
	Touchor's Sian

8/ Pro matsever 15 rate (cueromer carpe somes)=1