sample Quiz #3

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

Question 1-3

The following table contains the probability distribution for X = the number of weekly sales of a particular photocopying machine.

-	X 0 1 2 3 4 P(X) 0.05 0.1 0.15 0.2 0	<u>l</u> .5		
1)	Referring to the table, the p	robability of at most two m	achine being sold is	<u></u> .
	A) 0.70	B) 0.15	C) 0.30	D) 0.20
2)	Referring to the table, the m	nean or expected value for t	the number of sales for a give	n week is
	A) 3.0	B) 1.0	C) 2.0	D) 1.5
3)	Referring to the table, the st	andard deviation of the nu	ımber of sales is	
,	A) 1.00	B) 1.23	C) 1.50	D) 3.0
4)	The possible responses to the from a random		e you been living at your cur	rent residence?" are values
	A) continuous		B) discrete	
of 10 min	nuticates that for each trip to nutes. The length of time spen Find the probability that a s A) 0.9000	t in the store is normally d	istributed.	nutes with a standard deviation D) -1.200
6)	Find the probability that a s	hopper will be in the store	less than 34.5 minutes	
	A) -1.050	B) 0.3085	C) 0.6915	D) 0.1469
7)	7) 69.15% of the shoppers will be in the store for more than how many minutes ? (hint: find X for the right-tail probability)			
	A) 40.0 minutes	B) 51.9 minutes	C) 50.0 minutes	D) 38.1 minutes
_		ds that 25% of the people v	vho enter the store will make	a purchase. During a one-hour
8)	The probability that at least			
	A) 0.2637	B) 0.7627	C) 0.3672	D) 0.5786
9)	The average number of peo	ple you should expect to m	•	
	A) 1.50	B) 1.25	C) 0.25	D) 1.00

Answer Key
Testname: SAMPLE_Q3_ANDERSON.TST

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

- 1) C
- 2) A
- 3) B
- 4) A
- 5) B
- 6) D
- 7) A
- 8) C
- 9) B