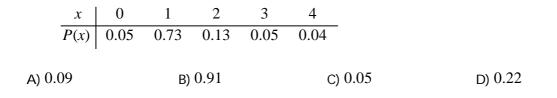
1) Determine whether the random variable described is discrete or continuous. The number of minutes you must wait in line at the grocery storeA) discreteB) continuous	1)
 2) Determine whether the random variable described is discrete or continuous. The number of coins in a jar A) continuous B) discrete 	2)
3) The sum of the probabilities of all the events in the sample space of a probability distribution must equal 1.A) True B) False	3)
4) The following distribution is <i>not</i> a probability distribution because $\frac{X}{P(X)} \begin{vmatrix} -2 & -1 & 0 & 1 & 2\\ 0.10 & 0.24 & 0.41 & 0.15 & 0.28 \end{vmatrix}$ A) the probability values are not increasing B) the values of the variable are negative C) the probability values are not discrete D) the probability values do not add to 1	4)
5) Fill in the missing value so that the following table represents a probability distribution. $\frac{x 5 6 7 8}{P(x) 0.57 0.13 ? 0.17}$	5)
6) The probability that a hockey team scores a total of 1 goal in a game is 0.125; 2 goals, 0.294; 3 goals, 0.405; 4 goals, 0.098; and 5 goals, 0.078. Construct the probability distribution for this discrete random variable and draw the graph.	6)
7) The following table presents the probability distribution of the number of vacations <i>X</i> taken last year for a randomly chosen family. Find <i>P</i> (1 or more). $\frac{x \mid 0 1 2 3 4}{P(x) \mid 0.09 0.68 0.15 0.06 0.02}$	7)

8) The following table presents the probability distribution of the number of dogs *X* owned
8) for a randomly chosen family. Find the probability that a family took at least 3 vacations last year.

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Answer Key Testname: PRACTICE13

1)	В					
2)	В					
3)	A					
4)	D					
5)	0.13					
6)						
	X	1	2	3	4	5
	P(X)	0.125	0.294	0.405	0.098	0.078

7) 0.91 8) A