11. Find the missing probability in the probability distribution below.

x	P(x)
0	0.29
1	?
2	0.31
3	0.19
4	0.05

12) Find the mean, variance, and standard deviation of the probability distribution below.

x	P(x)
0	0.29
1	0.16
2	0.31
3	0.19
4	0.05

13. Find the mean, variance, and standard deviation of the probability distribution below.

x	P(x)			
0	0.125			
1	0.375			
2	0.375			
3	0.125			

14. A raffle is selling 1000 tickets for $3 each. The prizes are $750, $500, and 3 people will win $100. Find the expected gain if you purchase one ticket.