







2















Example 2 What is P(2)?			
So, the pr	obability of guessing two correct answers is		
	$0.2 * 0.2 * 0.8 = (0.2)^2 * (0.8)^1 = 0.032$		
How man	y ways can we get two correct answers?		
There are	the three possible ways of getting two correct answers.		
Therefore	P(2) = 3 * 0.032 = 0.096		

C



Binomial Distribution				
BINOMIAL PROBABILITY F	ORMULA	$P(x) = {}_{n}C_{x} \pi^{x}(1 - \pi)^{n - x}$	[6–3]	
where:	action			
n is the number of x is the random var $\pi$ is the probability	trials. iable defined a of a success of	as the number of successes on each trial.		

Binomial Dist. – Mean and Variance				
MEAN OF A BINOMIAL DISTRIBUTION	$\mu = n\pi$	[6-4]		
VARIANCE OF A BINOMIAL DISTRIBUTION	$\sigma^2 = n\pi(1 - \pi)$	[6–5]		

















