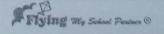
	Binomial Probability Distribution Date:
	$f(x) = \binom{h}{n} p^{x} (1-p)^{h-x}$
0	Given success: $23\%$ $P = 0.23$ x = 2 $n = 6$ $(1-P) = 0.77$
	(a) $f(x) = (\frac{n}{x}) p^{2} (1-p)^{n-x}$
	$F(2) = {\binom{6}{2}} p^{2} (1-p)^{\frac{1}{2}} = {\binom{2}{2}} (0.23)^{2} (0.72)^{\frac{1}{2}}$
	= (1S) (0.0S29) (0-3S1S)
	f(2) = 0.2789
	(b) P(x 3,2) = f(2) + f(3) + f(4) + f(5) + f(6)
	f(2) = 0.2789 $f(3) = 0.1111$ $f(4) = 0.0249 = 0.4180$
	f(s) = 0.0030 $f(c) = 0.0001$
	O n = 10 x 20
	$f(0) = {\binom{10}{0}} (0.23)^{0} (0.47)^{6}$
	P(0) = 0.0733//

Page No. :

29	Given P = 30 % = 0.30 (1-P) = 0.70
6	
	@ n = 10 x = 3
	$f(3) = {\binom{0}{3}} {\binom{0}{30}}^3 {\binom{0}{30}}^7$
	f(3) = 0.2668
	The state of the s
	(b) P(x(23) = f(3) + f(4) + P(s) P(10).
	f(3) = 0.2668
	f(n) = 0.2001
	f(s) = 0 1029
	f(6) = 8.0368 = 0.6171.
	f(7) = 0.0090 T
	F(8) = 0.0014
	f(9) = 8.0001
	f(10) = 0,0000 J

(3) (9) Probability of a defective Part being produced must be 0.03 for each Part selected. Parts must be selected independently.



Page No.:

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(D,D)	2
9 (D,G)	
G (G,D)	
(6,6)	0
© Two outcomes with exactly one found.	
(a) $P(no \ defects) = (\frac{2}{0})(0.03)(0.93)^2 = \frac{2}{0}$ $P(1 \ defects) = (\frac{2}{1})(0.03)(0.93)^2 = \frac{2}{0}$	
$P(2 \text{ defects}) = {\binom{2}{2}} (6.03)^2 (6.97)^6 =$	