

57A Hints

p. 577 # 59 | $(a+b)^n$ $n C_r a^{n-r} b^r$

$(x-2)^{10}$, $r = 5$ $(10-5)$, $n-r=5$

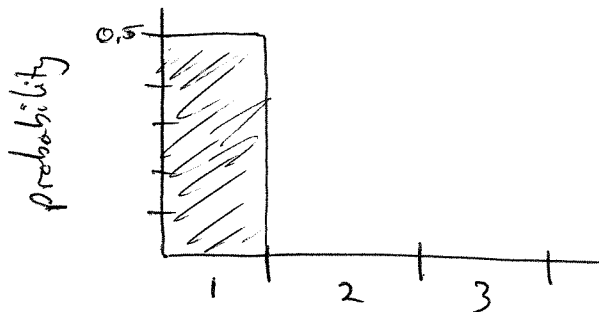
63 | $(2x+5)^{12}$, $r = \underline{\quad}$ $(12-\underline{\quad})$; $n-r=7$

p. 583 #3

Random variable

label	1	2	3
outcome	5		2
probability	$\frac{5}{10}$		

Histogram



76 | $P(\text{even}) = P(2 \text{ or } 4) =$

9 | $P(1 \text{ head out of } 20)$

1 head and 19 tails

$\binom{\quad}{\quad} \binom{\quad}{\quad}$
ways

13

outcomes (number of rings)	0	1	2	3	4	5	6
probability			0.31				

Find the probabilities

$\frac{6 \binom{2 \text{ yes } 4 \text{ no}}{\text{ways}} (.27)^2 (.73)^4$

Then make a histogram

use the table and \uparrow to answer b & c.