

1. The ratio of the coefficient of the middle term in the expansion of $(1+x)^{20}$ and the sum of the coefficients of two middle terms in expansion of $(1+x)^{19}$ is																
2.	If numerically gr	If numerically greatest term in the expansion of $(3-5x)^{11}$ , where $x=\frac{1}{5}$ , is $729\lambda$ , then the value of $\frac{\lambda}{150}$ is														
3.		If the middle term in the binomial expansion of $\left(\frac{1}{x} + x \sin x\right)^{10}$ is $\frac{63}{8}$ , then the value of $6\sin^2 x + \sin x - 2$ is  The term independent of $x$ in the expansion of $\left(\frac{x+1}{x^{2/3} - x^{1/3} + 1} - \frac{x-1}{x - x^{1/2}}\right)^{10}$ , where $x \neq 0, 1$ is equal to mathongo we mathongo we mathongo we mathongo.														
4.	The term indepen	ndent of $x$ in the $\epsilon$	expansion o	$f\left(\frac{x+1}{x^{2/3}-x^{1/3}}\right)$	$\frac{x-1}{x-x^{1/2}}$ $\left(\frac{x-1}{x-x^{1/2}}\right)^{10}$ , v	where x	e  eq 0,1 is equ	al to								
5.	In the expansion	of $\left(3^{\frac{-x}{4}} + 3^{\frac{5x}{4}}\right)^n$	, the sum of	f binomial c	coefficients is 64	and the	term with the	e grea	test binomial c	oeffic	cient exceeds the	he thir	rd term by $(n -$	- 1),		
	(1) 0	x must be				(2)	1									
6/	(3) 2	1) n	/// · mat	hongo 10	e: matherene	. ///										
0.	Suppose $\left(\sqrt{2} + 1\right)$ If $n = 6$ then $p$ is	S														
	(1) 196 (3) 198					(2) (4)	197 199									
7.	7. In the expansion of $(1+3x+2x^2)^6$ the coefficient of $x^{11}$ is  (1) 288 ng															
	(3) 576					(4)	216 hongo 674									
<b>8.</b>	The number of di	istinct terms in th	is (2)	29 thongo												
	(3) 28					(4)										
9.	If the number of	terms in the expa	nsion of $(1$	$-\frac{2}{x} + \frac{4}{x^2}$	$x \neq 0, \text{ is } 13,$	then the	e sum of the c	oeffic	cients of all the	term	s in this expan	sion is	mathongo			
	(1) 243 (3) 64					(2)	729 2187									
10.	The value of $\binom{21}{6}$	$C_1 - ^{10}C_1 + (^{21}C_1)$	$(C_2 - {}^{10}C_2) +$	$-(^{21}C_3-^{10}$	$C_3) + (^{21}C_4 - ^{10}C_4)$	$C_4)+.$	$ + (^{21}C_{10} - ^{1}$	$^{10} C_{10}$	) is thongo							
	(1) $2^{21} - 2^{11}$ (3) $2^{20} - 2^9$					. ,	$2^{21} - 2^{10}$ $2^{20} - 2^{10}$									
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