Binomial Expansion - Section Test

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1.	What is the row that is immediately belo	w							
	1 2 1								
	in Pascal's triangle?								
(a) (c)	1 3 3 1. 1 3 2 3 1	(b) (d)	1	2 2	2 3	1 1			
2.	What is the row that is immediately above	ve							
	1 5 10 10 5 1								
	In Pascal's triangle								
(a) (c)	1 4 6 4 1. 1 4 5 4 1	(b) (d)	1	6 4	15 6	20 6	15 4	6 1	1
	Three of the following statements about false. Which one is false?	entries ir	ı Pa	scal'	s triaı	ngle ar	e true	and o	one is
exp (c) exp	The row for coefficients in the pansion of $(1 + x)^9$ contains the number 64. The row for coefficients in the pansion of $(1 + x)^7$ contains the number 35. I don't know.	4. expa (d)	nsio Th	on of he rov	(1 + ; v for	coeffic	5 1 cients	0 10 in the	5 1.
4.	The coefficient of x^2 in the expansion of	$(1+x)^{10}$	is:						
(a) (c) (e)	2 45 I don't know.	(b) (d)	20 90						
5.	The coefficient of x^4 in the expansion of	$(1-x)^7$	is:						
(a) (c) (e)	7 - 1 I don't know.	(b) (d)	35 - 3						

(a)	108	(b)	1080						
(c)	60	(d)	40						
	I don't know.								
7. The coefficient of x^3 in the expansion of $(3-2x)^6$ is:									
(a)	4320	(b)	216						
(c)	- 60	(d)	- 4320						
	I don't know.								
0 7	The term independent of x in the expansion	of (5)° is:						
0. 1	The term independent of x in the expansion	1 01 /	$\frac{2x-x}{x}$ is.						
			,						
(a)	- 20 000	(b)	20 000						
(c)			- 200						
	I don't know.	(4)	200						
(0)	I don't know.								
0 7	The coefficient of a^2b^5 in the expansion of	(3a -	$2h)^{7}$ is:						
7. The coefficient of $a \ b$ in the expansion of $(3a - 2b)$ is.									
(a)	- 6048	(b)	- 21						
(c)			- 288						
	I don't know.	(u)	200						
(0)	I don't know.								

10. Which one of the following is a correct expansion and simplification of $(1 + 2x)^4 - (1 - x)^4$

(b) $16x + 64x^3$ (d) $2(x + x^3)$

6. The coefficient of x^3 in the expansion of $(2 + 3x)^5$ is:

 $(2x)^4$?

(e) I don't know.

(a) $2 + 48x^2 + 32x^4$ (c) $2 + 16x + 48x^2 + 64x^3 + 32x^4$