Answer 1) Number of points you get for Question 1 if you cheat

=IF(F2=0,B2,D2)

	A	B	C	D	E	F	G	H	I
		Available Points	Cheat	Don't Cheat		Gotcha?			
	Question 1	10	10	0		0		=IF(F2=0,B2,D2)	
	Question 2	10	10	0		1			0
	Question 3								
	Question 4								
	Question 5								
	Question 6								
	Question 7								
	Question 8								
	Question 9								
	Question 10								

or

DEV.P   =(1-F2)*B2

	A	B	C	D	E	F	G	H	I	J
		Available Points	Cheat	Don't Cheat		Gotcha?			If you're honest:	
	Question 1	10	10	0		0		=(1-F2)*B2	0	
	Question 2	10	10	0		1		0	0	
	Question 3	10	10	0		0		10	0	
	Question 4	10	10	0		0		10	0	
	Question 5	10	10	0		0		10	0	
	Question 6	10	10	0		0		10	0	
	Question 7	10	10	0		1		0	0	
	Question 8	20	20	0		0		20	0	
	Question 9	30	30	0		0		30	0	
	Question 10	30	30	0		0		30	0	

Answer 2) Calculate the number of points you will get for each question by simply replying on your luck.

What will your score be without cheating (in %)?	20

DEV.P | ✕ ✓ fx | =$E$15/100*B2

	A	B	C	D	E	F	G	H	I	J
		Available Points	Cheat	Don't Cheat		Gotcha?		If you cheat:		
	Question 1	10	10	0		0		10	=$E$15/100*B2	
	Question 2	10	10	0		0		10	2	
	Question 3	10	10	0		0		10	2	
	Question 4	10	10	0		0		10	2	
	Question 5	10	10	0		0		10	2	
	Question 6	10	10	0		0		10	2	
	Question 7	10	10	0		0		10	2	
	Question 8	20	20	0		0		20	4	
)	Question 9	30	30	0		0		30	6	
l	Question 10	30	30	0		0		30	6	

Answer 3) Total number of points earned on the exam while cheating. If we get caught on one or more of the questions, the entire total must be zero as that is the penalty for cheating.

DEV.P | ✕ ✓ fx | =IF(SUM(F2:F11)=0,SUM(H2:H11),0)

	A	B	C	D	E	F	G	H	I	J
		Available Points	Cheat	Don't Cheat		Gotcha?		If you cheat:	If you're honest:	
	Question 1	10	10	0		0		10	2	
	Question 2	10	10	0		0		10	2	
	Question 3	10	10	0		0		10	2	
	Question 4	10	10	0		0		10	2	
	Question 5	10	10	0		0		10	2	
	Question 6	10	10	0		0		10	2	
	Question 7	10	10	0		0		10	2	
	Question 8	20	20	0		0		20	4	
	Question 9	30	30	0		0		30	6	
	Question 10	30	30	0		0		30	6	
	What will your score be without cheating (in %)?				20					
						=IF(SUM(F2:F11)=0,SUM(H2:H11),0)					

Answer 4) Write a formula to decide whether or not you get caught cheating or not. You will get caught if the value generated is lower than the threshold defined in E16.

	A	B	C	D	E	F	G	H	I	J
		Available Points	Cheat	Don't Cheat	Random				If you're honest:	
	Question 1	10	10	0	0.11673	=IF(E2<$E$16/100,1,0)			5	
	Question 2	10	10	0	0.31442	0		10	5	
	Question 3	10	10	0	0.55443	0		10	5	
	Question 4	10	10	0	0.77608	0		10	5	
	Question 5	10	10	0	0.78445	0		10	5	
	Question 6	10	10	0	0.68238	0		10	5	
	Question 7	10	10	0	0.54183	0		10	5	
	Question 8	20	20	0	0.77158	0		20	10	
	Question 9	30	30	0	0.47687	0		30	15	
	Question 10	30	30	0	0.86133	0		30	15	

Answer 5) Let's calculate the number of points you earn for each question on cheating based on this percentage.

	A	B	C	D	E	F	G	H	I	J
1		Available Points	Cheat	Don't Cheat	Random	Gotcha?				
2	Question 1	10	10	0	0.01615	1		=(1-F2)*B2*$E$14/100		
3	Question 2	10	10	0	0.20752	0		8	5	
4	Question 3	10	10	0	0.07064	1		0	5	
5	Question 4	10	10	0	0.87066	0		8	5	
6	Question 5	10	10	0	0.95318	0		8	5	
7	Question 6	10	10	0	0.10161	0		8	5	
8	Question 7	10	10	0	0.92526	0		8	5	
9	Question 8	20	20	0	0.8992	0		16	10	
10	Question 9	30	30	0	0.83174	0		24	15	
11	Question 10	30	30	0	0.50832	0		24	15	
14	How many points will you get cheating (in %)?				80					

Answer 6) Design the formula that will calculate the final grade.

How many points will you get cheating (in %)?	80					
What will your score be without cheating (in %)?	60		Total if cheating:	Total if honest:		
How likely will you get caught cheating (in %)?	10					
		Exam 1	0	90		
		Exam 2	0	90		
		Exam 3	0	90		
		Exam 4	0	90		
		Exam 5	0	90		
		Total Points All Semester:	0	450		
		Total Percentage All Semester:				
		Final Grade:	=IF(H24>90,"A",IF(H24>=80,"B",IF(H24>=70,"C",IF(H24>=60,"D","F"))))			

Answer 7) Write a formula for C2 that will display a random name from a list of names in A, 1 to 7.

STDEV.P	▾	⋮	✕ ✓ ƒx		=INDEX(A1:A7,RANDBETWEEN(1,7))		

◢	A	B	C	D	E	F	G	H
1	Brandon							
2	Joseph		=INDEX(A1:A7,RANDBETWEEN(1,7))					
3	Graham							
4	Nicholas							
5	Carley							
6	Mengxuan							
7	Jessica							