DICE (no fives)

Name: _____

Hour:

# of roll	# dice left	# of roll	# dice left	# of roll	# dice left
1		11		21	
2		12		22	
3		13		23	
4		14		24	
5		15		25	
6		16		26	
7		17		27	
8		18		28	
9		19		29	
10		20		30	

1. What is the Domain and Range?

2. Sketch your scatterplot. Include labels

	T	1	. ,			-	1			-			1	1	1		 		 		 	
-			-	-		-		-	-		-		-	-	-	-	 		 	-		
-																	 					
							6															
-	1				-		1			-	-	-		-			 -		 	-		
-	-			-			-	-			-						 					
														_					 		 	
												1										
-																			 		 	
											_						 	-	 		 	

3. In your own words, how does the number of dice left decrease with the number of rolls?

4. With visual inspection, which mathematical model(s) seems to fit the scatterplot best?

5. What is its equation?

6. What is the y-intercept of this equation and what does it mean in this problem?