TRS 92: Working with Percentages

Complete the table.

	Percentage Change	For an increase, multiply by…	For a decrease multiply by…
1.	45%		
2.	20%		
3.		1.15	
4.			0.98
5.	6.5%		
6.	5.6%		
7.		1.0034	

8. Was the equation you wrote in #5 from your Day 31 HW a linear function? How do you know?

9. Cameron decides he will also start a savings account for his son, Ian. Like Leslie, he starts with $100, but decides to increase the amount in the account by 20% each month. Complete the table and write a general equation for the situation.

Month	Amount
0	100
1	
2	
3	
4	
10	
16	
N (general equation for N months)	

10. Is this equation a linear function? How do you know?

11. John's kids are grown so he doesn't have to save for them anymore. In fact, he has an account that he is withdrawing money from. It started with $10,000 and he withdraws 5% each year. Complete the table and write a general equation for the situation.

Year	Amount
0	10,000
1	
2	
3	
4	
10	
16	
N (general equation for N years)	

12. Is this equation a linear function? How do you know?