Saving Accounts Systems Problem

- 1. Ali has \$300 in his saving account. It is staying the same.
- 2. Nour's Saving account is represented by the following equation:

S = 200 - 4w

- Where s is the amount of money she has and w is the number of weeks
- 3. Noah's saving account is represented by the following chart:

Week	1	2	3	4	5
savings	20	40	60	80	100

4. Zeinab's account is shown in the following graph:



- a) Make a graph for all accounts on one grid(using four different colors and you can use the above grid)
- **b)** How much would each one of them have in his/her account after 8, 10 and 15 weeks. Make sure you include an explanation.

	8weeks	10 weeks	15 weeks
Ali			
Nour			
Noah			
Zeinab			

c) When would Ali and Noah have the same amount of money in their saving accounts? Show work and explain your answer .Compare Ali's account to Noah's account before and after 15 weeks.

d) When would Nour and Ali have the same amount of money in their saving accounts? Explain your answer.

e) What will happen to Zeinab's account after 20 weeks?