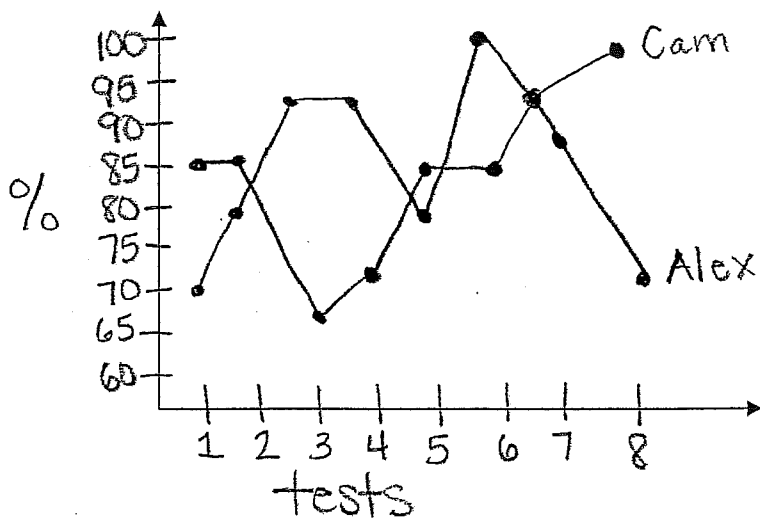
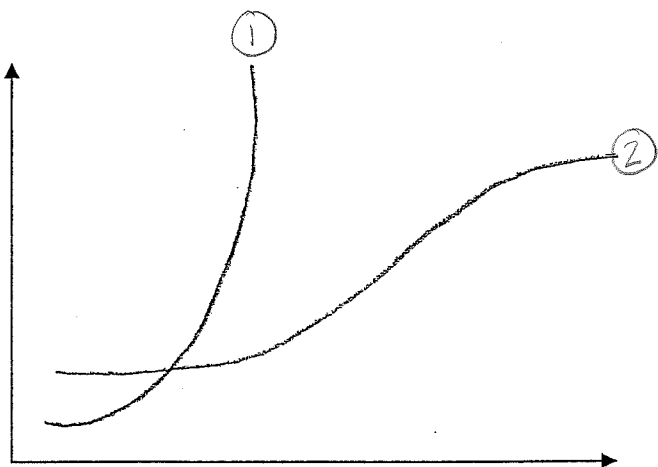


## Scores on tests



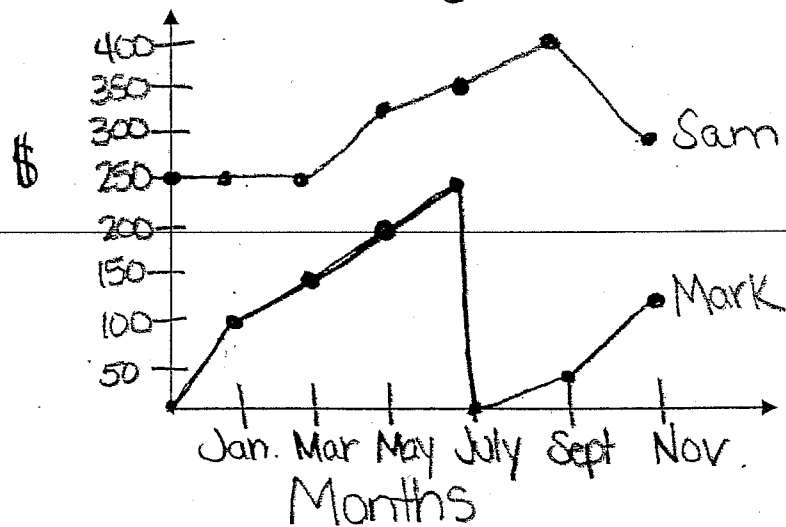
What is the relationship between Cam's scores on the tests and Alex's scores? Cam started off with equal scores on his first two assessments, then took a drastic drop. From then on, he steadily increased his percentages until test 8. Alex was much less consistent. He would increase, then decrease, then gain and lose. They both had an equal high score and both had the same score on two tests in a row at least one time.



Describe the relationship between the two graphs.

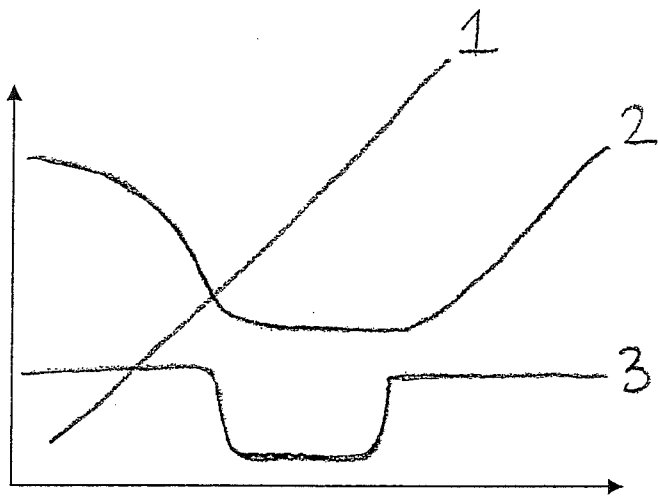
Both lines increase and never decrease. Line ①, after some slow gain, took a very quick rise. Line ② goes further along the x-axis and increased much slower. There was a section of faster gain in the middle of line ②, but both ends show a slow increase.

## Money Saved



Describe the relationship between Sam and Mark and the money they saved.

Sam saves the same amount each month until March when he begins increasing the amount he saves. Unfortunately, he decreases the amount he saves from Sept. to Nov. He saves quite a bit more money than Mark, who saved at a steady increasing rate until there was a drastic decline to zero in July. He spent July to Nov. working to get back where he started at a constant rate. There was never a month in which Mark had more money saved than Sam.



Compare the 3 line graphs using mathematical language

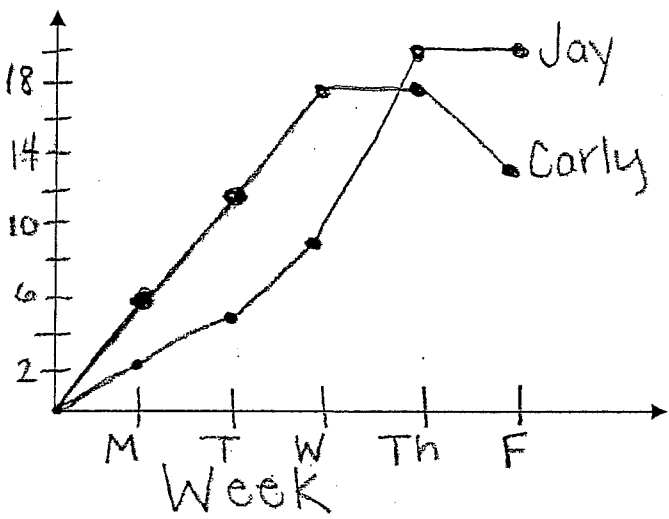
Line 1 shows a steady increasing change over time. Line 2 shows a slow decrease leading into a dip that, after a period of no change, increases as a steady rate. Line 3 begins with no change over time, has a quick decline, leading to another period of no change. This is followed by a quick increase back to the original height and stays there without any change.

back to the original height and stays there without any change.

Create a scenario

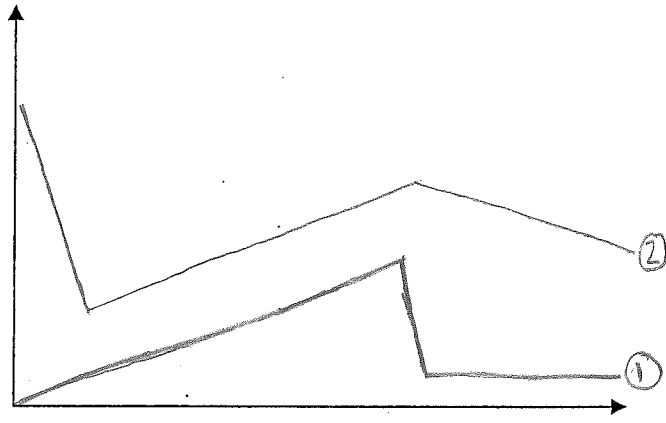
### Book Drive

comparing Jay's book drive collection vs. Carly's collection.



I infer that Carly did some advertising prior to the book drive, which explains her quick start and maybe Jay waited until Wednesday to begin advertising. Jay had a large increase on Thursday, but his 55 total books collected was not enough to beat Carly's 63 books collected.

Draw the following graphs:



1) It started out increasing at a slow, steady pace. Then there was a sharp drop. Finally it evened out and remained constant.

2) It started out decreasing quickly and then began rising at a constant pace. Finally it dropped at a steady pace.