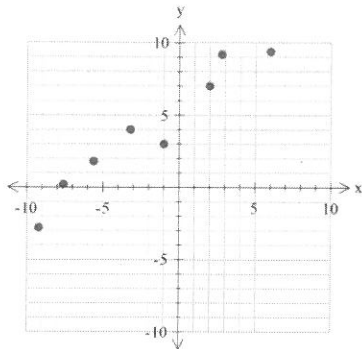
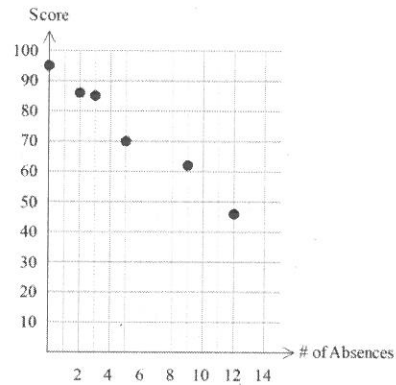


Identifying Trends in Scatterplots

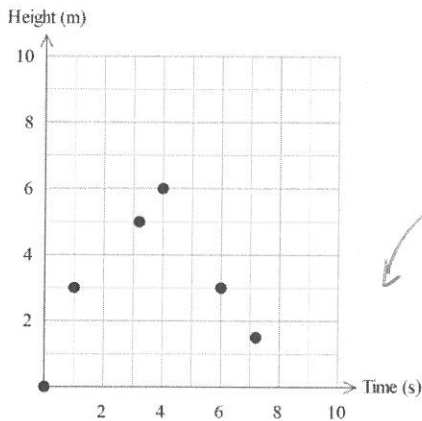
Sometimes the data that we display will show patterns. These patterns can be described in different ways. Some of these patterns and descriptions are shown below.



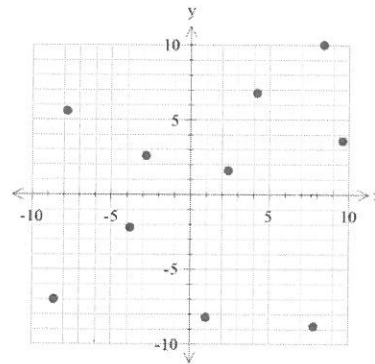
This graph shows an upward trend. As the x value increases, the y value increases. We can say that there is a positive correlation between x and y .



This graph shows a downward trend. As the number of absences increases, the score decreases. We can say that there is a negative correlation between the number of absences and the score.



From 0 to 4 seconds, the height increases. Then, after 4 seconds, the height decreases. Data points that form this parabolic shape show a quadratic relationship



This graph shows a random pattern. There does not appear to be a correlation between the two variables.