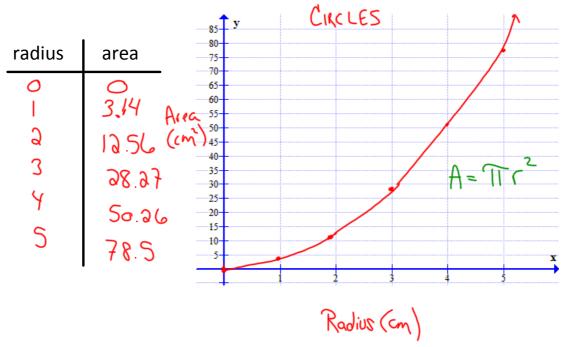


Ex. 2 What is the relaonship between the radius of a circle and its area?



TI-Nspire Player

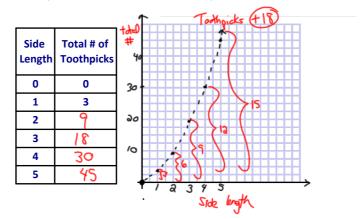
Ex. 3 Toothpicks can be arranged to create equilateral triangles as shown.







a) Complete the table and create a scaer plot for the data.



- b) Describe the relaon.
- c) Draw a curve of best fit.

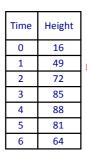
Mon-linear Strong positive correlation increasings doubled - doba is DISCRETE

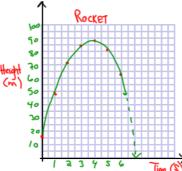
d) Use your model to predict the number of toothpicks needed to build a triangle with a side length of 6 toothpicks.

63 toothpicks

Ex. 4 A toy rocket is launched straight up. The table shows its height, h, in metres above the ground aer t seconds.

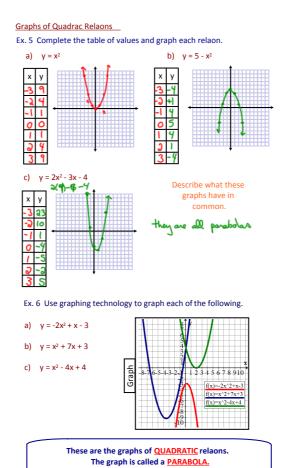
a) Create a scaer plot of the data.





- b) Describe the relaon.
- c) Draw a curve of best fit.
- strong correlation
- d) Use your model to predict the height of the rocket at 8 seconds.
 - on the ground

e) Describe how the graph would change if the rocket stayed in the air for 15 seconds.



Your Turn

