

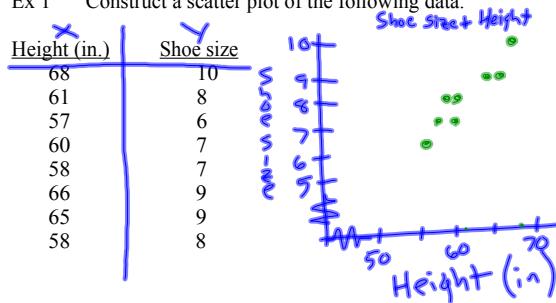
Q)  $f(x) = -\frac{3}{2}x - 3$      $g(x) = -\frac{2x+6}{7}$

$$\cancel{-\frac{3}{2}} \left( \cancel{\frac{2(x+3)}{7}} \right) \rightarrow 3$$

$$\cancel{2} \cancel{x} = x$$

## 1-7 Linear Models and Scatterplots

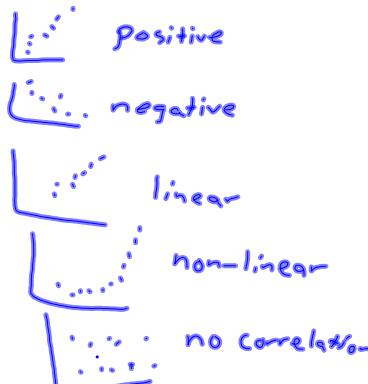
Ex 1 Construct a scatter plot of the following data.



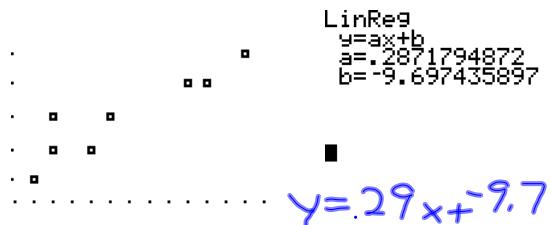
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Ex 2 Describe the correlation between the points.



Ex 3 Use a calculator to graph a scatter plot of the data and find the best-fit line through the data.



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Ex 4 Use the linear model to predict the shoe size of someone who is 70 inches tall.

$$y = .29x + -9.7$$

↑  
70

$$y = 10.6$$

$$10.5$$

$$11$$

Homework  
 p.78  
 #1-19 odds

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