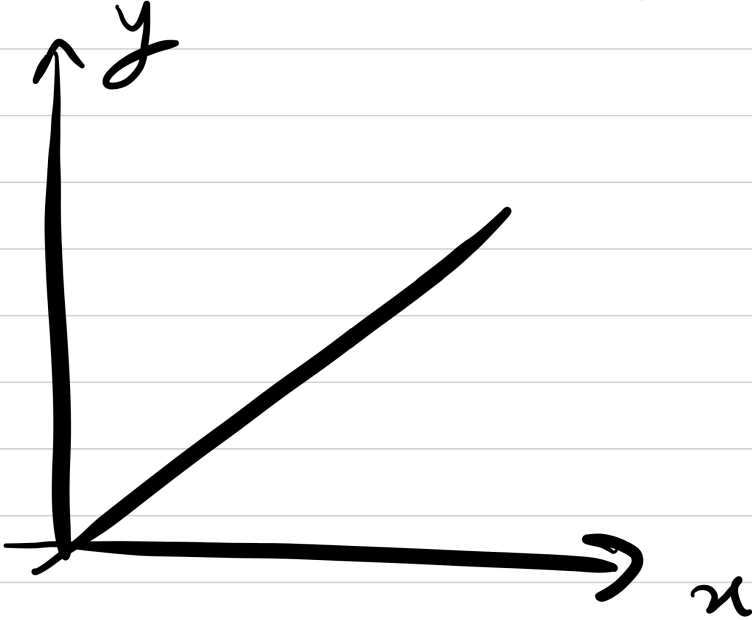
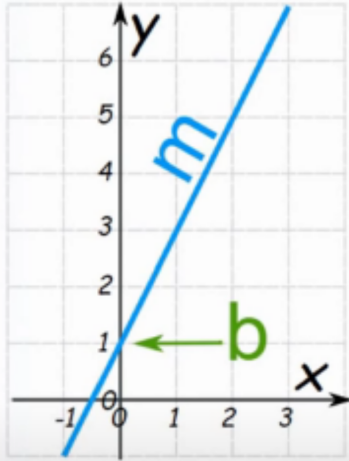


Linear Regression

$$y = mx + c$$





$$\text{price} = m * \text{area} + b$$

$$y = mX + b$$

Slope (or Gradient) Y Intercept

Reference: <https://www.mathsisfun.com/algebra/linear-equations.html>

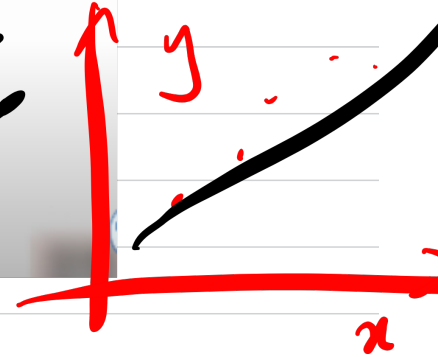
Q.

Home prices in Monroe Twp, NJ (USA)

area	price
2600	550000
3000	565000
3200	610000
3600	680000
4000	725000

Given these home prices find
out prices of homes whose
area is,

3300 square feet
5000 square feet



$$\text{price} = m * \text{area} + b$$

Dependent variable

y

Independent variable