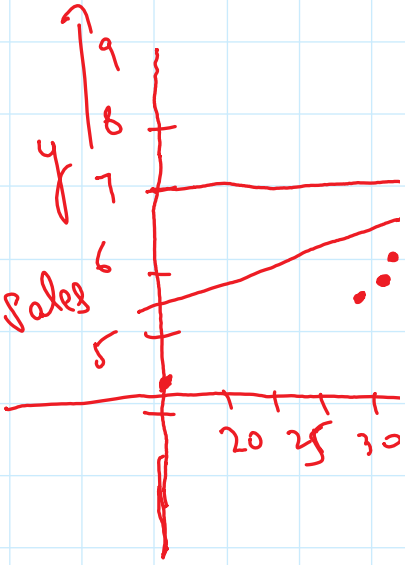
X	Y
t	Sales
33	
35	
38	6.8K
29	8.5K
32	
37	5.8 7K
36	?!
X	y

{ x → features
y → target fe



$y = mx + c$

$m = \frac{\text{change in } y}{\text{change in } x} = (x_2 -$

$X = [x_0 x_1, x_2 x_3 .$

$\hat{y} = \beta . X$

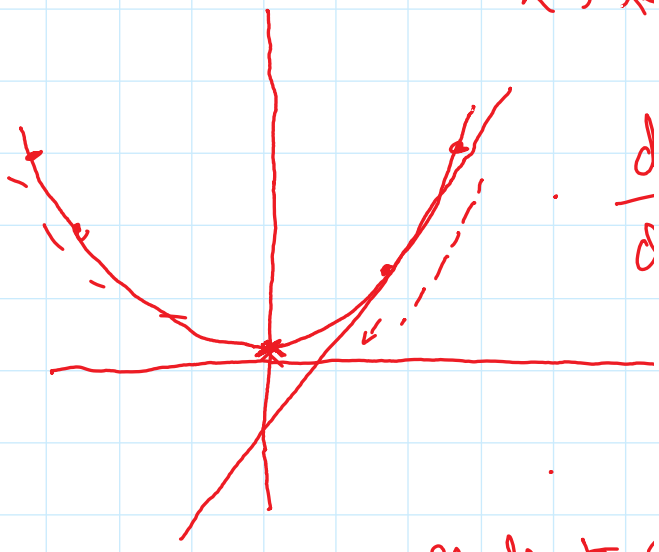
Mean Squared Error

$E = \Sigma \frac{(\hat{y} - y)^2}{n}$ } → objective

↓

Cost function / loss function

$y = x^2$



gradient =

$\Rightarrow$ Производная

$= \frac{2}{n} \Sigma \left(x \cdot \theta \right.$

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Окончательная производная

$\Rightarrow \frac{1}{2n} \Sigma \left(\right.$

$\Rightarrow \frac{2}{2n} \Sigma \left(\right.$

$\Rightarrow \frac{1}{n} \Sigma \left(\right.$