

Quiz - Thurs, Sept 16th

• Graphing linear data

- plot y vs x

- title

- axes labelled + units

- good scale

- $(0,0)$

- LOBF

- find equation for LOBF

- use equation or graph to predict

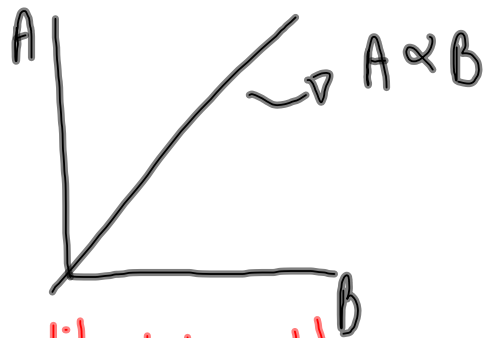
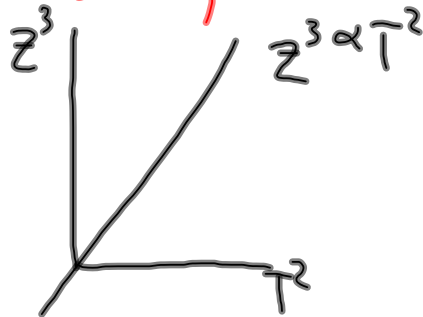
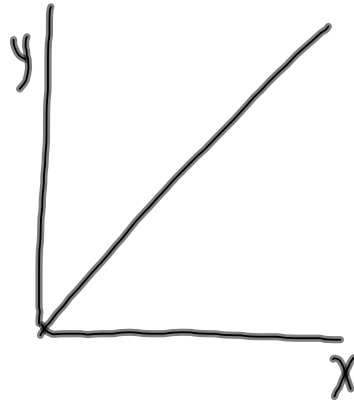
- interpolation/extrapolation

Proportionalities

$$y \propto x$$

↓
∝

"is proportional to"
"varies directly with"



$y \propto x$ (proportionality statement)

$y = kx$ (general equation)

↑
proportionality constant

$(y = mx + b)$

$k = \frac{y}{x}$ (solve for k)

$k = \frac{30}{3}$

$k = 10$

$y = 10x$ (specific equation)