

$$1. \quad \frac{m}{s} \neq \frac{m}{s} \cdot s + \frac{m}{s^2}$$

$$m + \frac{m}{s^2}$$

$$m \quad - \quad \frac{\sqrt{\frac{m}{s}} \cdot s^{\frac{3}{2}} + \frac{m}{s^2} \cdot s}{\sqrt{ms^3} + \frac{m}{s}}$$

$$\frac{\sqrt{m} \cdot m^{\frac{1}{2}}}{\sqrt{s} \cdot s^{\frac{1}{2}}} \cdot s^2 = m^{\frac{1}{2} \cdot 2 - \frac{1}{2}} = m^{\frac{1}{2}}$$

$$\sqrt{ms^3}$$

$$\frac{m}{s} = \frac{m^2 m}{s^2} \frac{kg}{m^3} \frac{kg \cdot m \cdot s}{s^2 kg}$$

$$\frac{kg}{(m)(s)} \quad \curvearrowright \quad \frac{m}{s}$$

$$579.80 \text{ MW}$$

$$5.7980 \times 10^2 \text{ MW}$$

$$5.7980 \times 10^8 \text{ W}$$

$$10,245.76 \text{ pF}$$

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$$1.024576 \times 10^4 \text{ pF}$$

$$1.024576 \times 10^4 \times 10^{-12} \text{ F}$$

$$1.024576 \times 10^{-8} \text{ F}$$

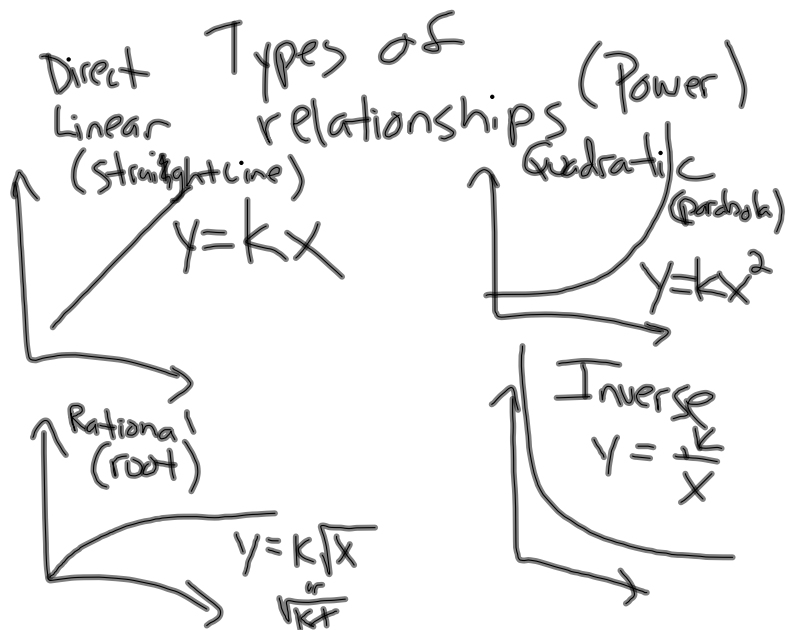
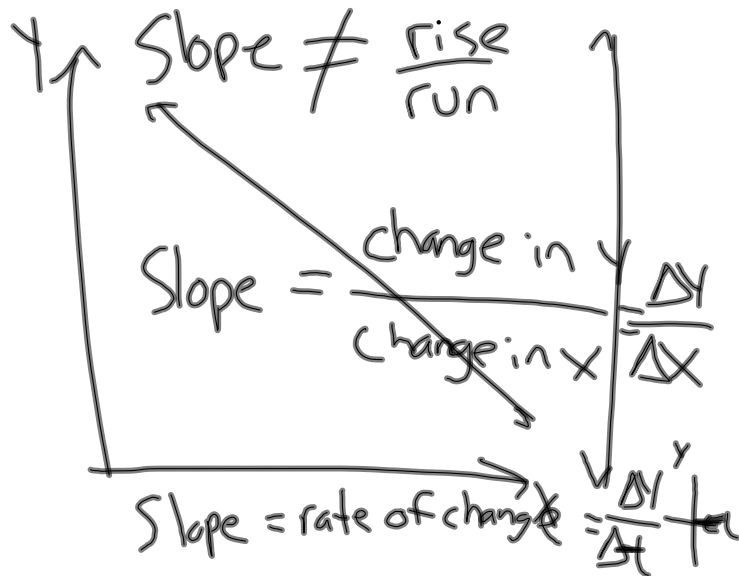
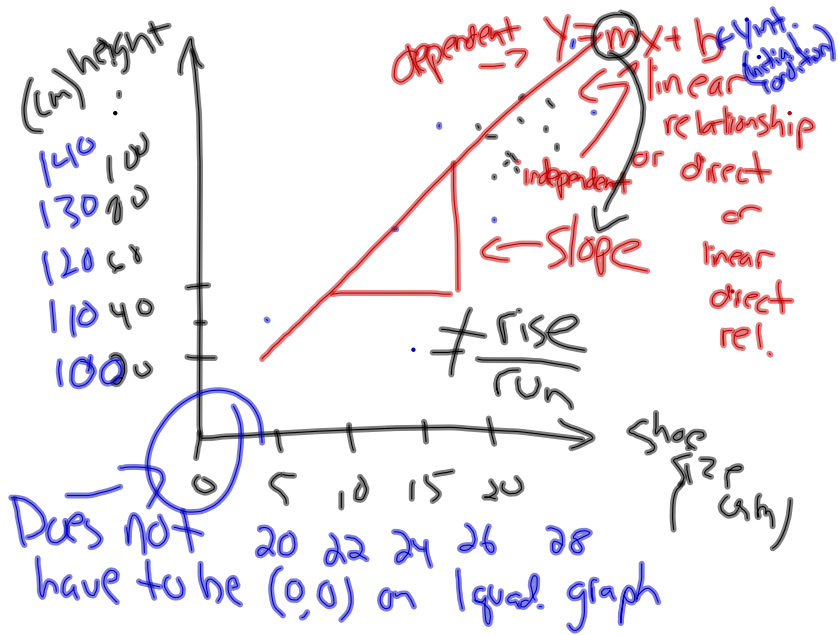
$$\frac{M}{L^3}$$

Dimensions

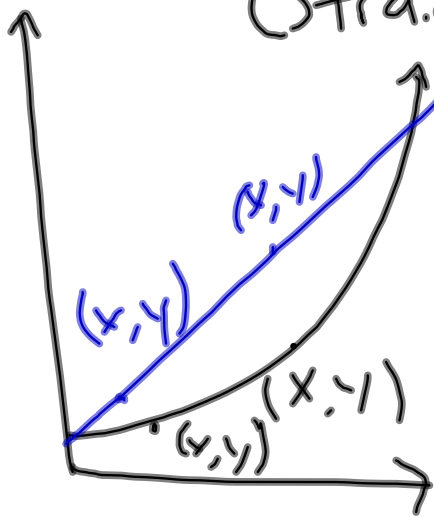
$$\frac{kg}{m^3}$$

$$\frac{\text{slug}}{L}$$



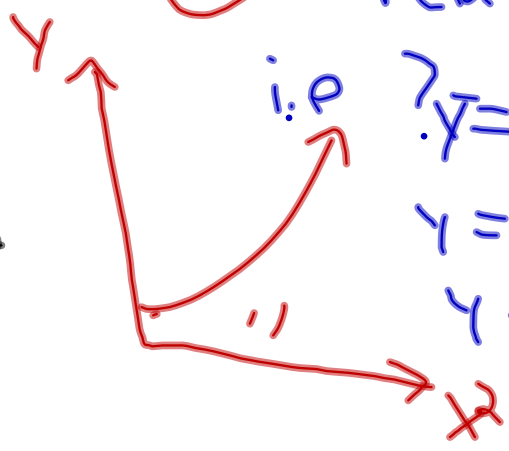


Determining relationships  
(straightening) → look at



~~$y = kx$~~   
 $y = 6x^2$

data  
to determine  
relationships



?  $y = x^2$   
 $y = x^3$   
 $y = x^4$