

Calc 12 - Chp 4.4-4.6 Review

Note Title

2013-09-23

Dimensional Analysis - use if you cannot come up with an equation for a word problem.

$$\text{kg} \frac{\text{m}^2}{\text{s}^2}$$

$$a = \text{kg}$$

$$b = \frac{\text{s}}{\text{m}}$$

$$c = \frac{\text{m}}{\text{s}}$$

$$\frac{ac}{b}$$

$$\text{kg} \frac{\text{m}}{\text{s}^2}$$

$$\frac{ac}{b^2}$$

$$a = \text{kg}$$

$$b = \text{s}$$

$$c = \text{m}$$

Remember to show min or max with f' or f''
(Thm 4 or 5).

Sometimes you must work thru a problem before seeing an answer.

weight is proportional to volume, so volume is the formula in place of weight.

Convert units to one type, eg) m, cm, km
eg) kg, g