

# Cornell Notes

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Topic Variation Properties

Class/ Subject Mrs. Bonn  
Pre-CAT Per. 5

Start on  
• Warm-up #8  
Variation Properties  
- you get a relationship in words.  
- write an equation that models it.

Whatever comes before the "varies" comes before the equal sign.

$\square$  varies directly with  $\triangle$

$$\square = k \triangle$$

$\square$  varies inversely with  $\triangle$

$$\square = \frac{k}{\triangle}$$

$\square$  varies directly with  $\triangle$  and inversely with  $\circ$

$$\square = \frac{k \triangle}{\circ}$$

Example:

Always start out with basic info:

- 1)  $T = kI$
- 2)  $T = \$42$   
 $I = \$1500$

$$\frac{42}{1500} = k \frac{1500}{1500}$$

$$k = \frac{7}{250}$$

$$3) T = \frac{7}{250} I$$

• Quiz tomorrow

• Homework - US-18 pages 93-95; #'s 5-13 odd, 14  
21-55 odd, 71

