

I. **Direct Variation** (p.172):

quantity “**y**” varies directly with quantity “**x**”
whenever there is a constant “**k**” such that...

$$y = k \cdot x$$

II. Examples (pp.175-176):

~~For Thought — Problems #2,8~~

~~Exercises #2,10,20,22,26,30,38~~

III. Inverse Variation (p.173):

quantity “**y**” varies inversely with quantity “**x**”
whenever there is a constant “**k**” such that...

$$y = \frac{k}{x}$$

IV. Examples (pp.175-176):

Exercises #4,12,24,32,40

~~HW: pp.176-177 / Exercises #1,3,9,11,21,23,25,
29,31,37,39,41~~

Read section 2.6 (pp.171-175)

V. Joint & Combined Variation Examples:

pp.176-177 / Exercises #18,28

VI. Applications (p.177): Exercise #56

HW: pp.176-177 / Exercises #5,17,27,33,39,45,49,