Tomorrow we will review Ch 6.

Today, we'll begin Chapter 9.

<u>Direct Variation</u>: When two quantities have a constant ratio





If Yes, equation is:





1. Three equations for Inverse Variation are:

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

Inverse Variation: When two quantities have a constant product

2. What does the letter k represent?

The variation constant.

3. For Direct Variation, as one quantity increases the other quantity also increases.

For Inverse Variation, as one quantity

increases the other quantity _______

How do you tell if a table of values produces and inverse variation relationship? See if *xy* is a constant product.



