

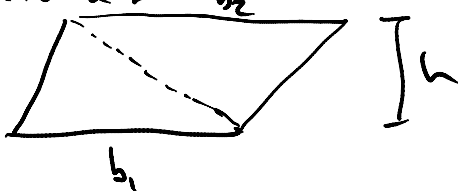
Formula Thinking...

Monday, January 11, 2010
11:04 AM

What happens to the area formula for a rectangle if...

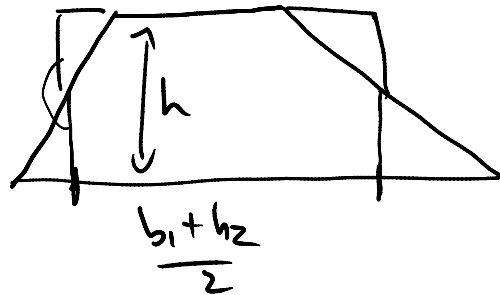
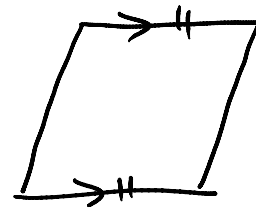
- The length is 0?
- The length equals the width?

What happens to the area formula for a trapezoid if...?

- One base equals zero? → turns into a Δ
 $\frac{1}{2}(b_1 + 0) \cdot h = \frac{1}{2}b_1h$
 $\frac{1}{2}(b_1h + b_2h)$
 $\frac{1}{2}h(b_1 + b_2)$


- The two bases are equal?

$$\frac{1}{2}h(b+b) = b \cdot h$$



$$\frac{b_1 + b_2}{2} \cdot h$$

- The height is zero?