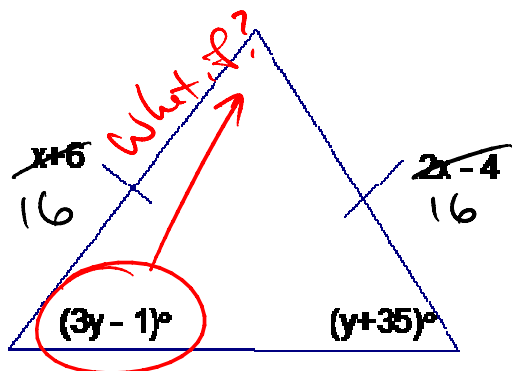


Opener

Friday, November 20, 2009  
10:39 AM

Find x and y.



$$x + 6 = 2x - 4$$

$$\Rightarrow x = 10$$

In an isosceles  $\Delta$ ,  
The base  $\angle$ s have  
equal measures

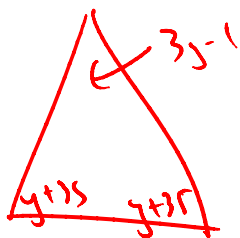
Isosceles  $\Delta$  Theorem (ITT)  
 $\Delta \Rightarrow \Delta$

$$3y - 1 = y + 35$$

$$2y = 36$$

$$y = 18$$

$$(y + 35) \cdot 2 + (3y - 1) = 180^\circ$$



$$5y + 69 = 180$$

$$5y = 111$$

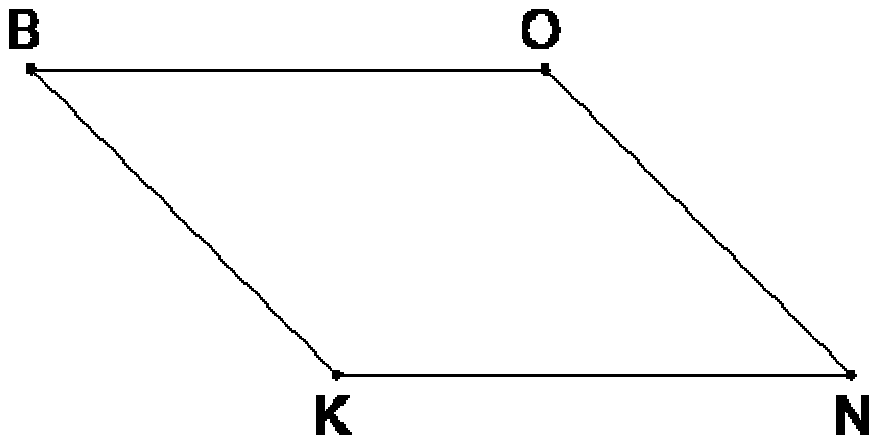
$$y = \frac{111}{5}$$

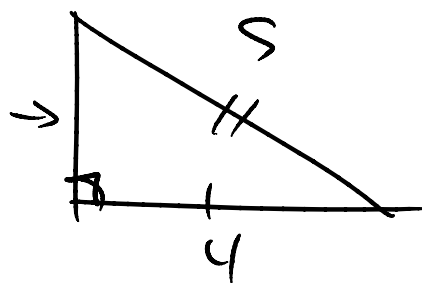
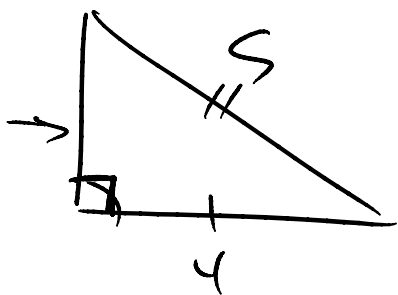
## Closer

Friday, November 20, 2009

10:40 AM

Prove that the opposite *sides* of a parallelogram are congruent. Hint: Construct one diagonal of parallelogram BOKN.





~~ASS~~

HL →

SSS

using Pythagoras