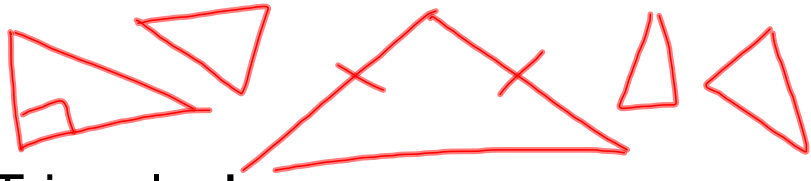


Math 9

10/25/11

## Classifying Triangles!



$$m = \frac{y_1 - y_2}{x_1 - x_2} \text{ P.o.t.D.}$$

Find the slope of the line through points (3,3) and (4,7)

$$\frac{3 - 7}{3 - 4} = \frac{-4}{-1} = 4$$

Standards:

9.3.3.3 &amp; 9.3.3.5 - Known and apply properties of triangles

9.3.3.7 - Classify and define polygons

Oct 25-8:06 AM

## CLASSIFYING



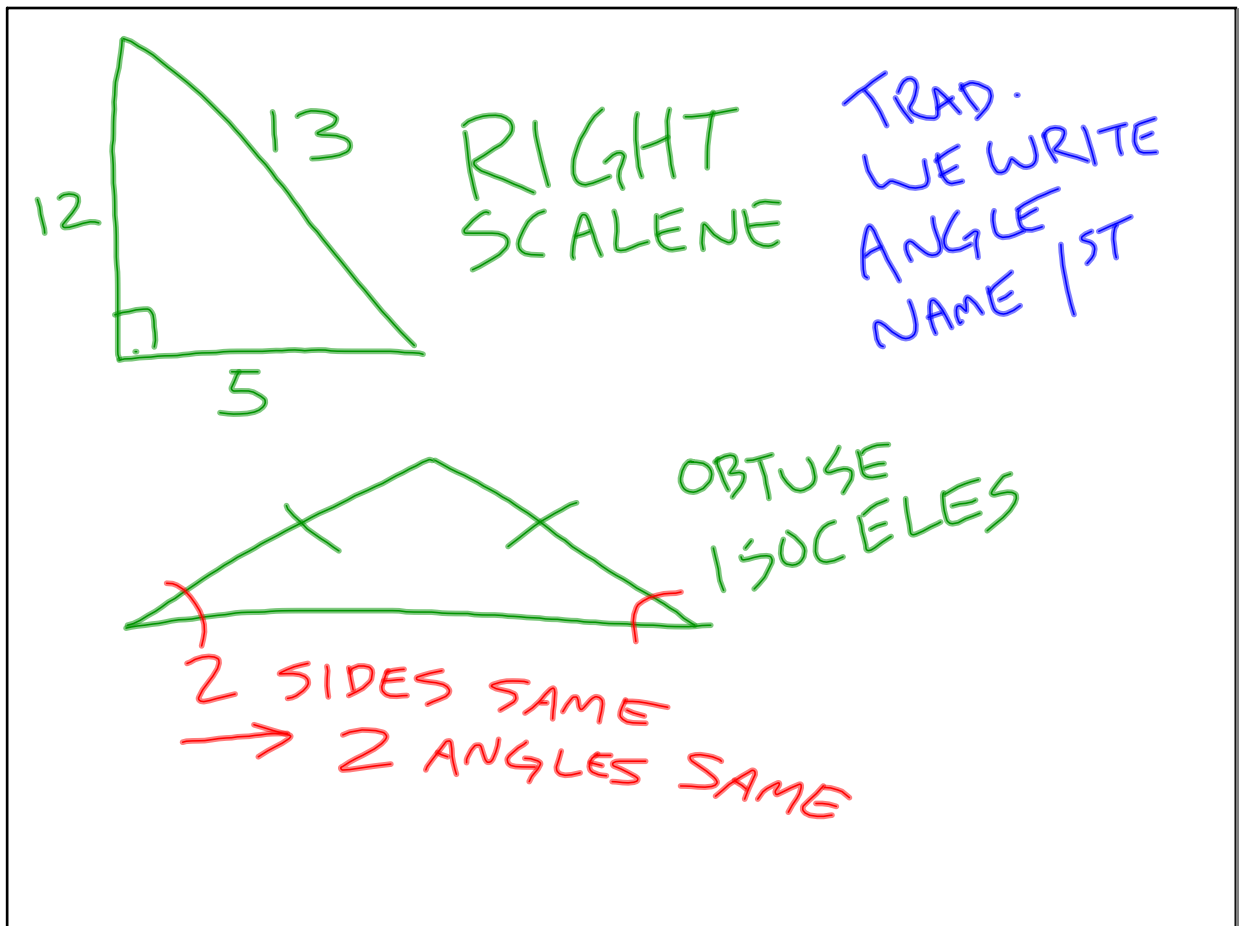
△ HAS 3 SIDES  
+ 3 ANGLES

WE CAN CLASSIFY  
BY SIDES, OR BY  
ANGLES

Oct 25-9:29 AM

SIDES	ANGLES
ALL 3 SAME EQUILATERAL	ONE ANGLE $> 90^\circ$ OBTUSE
TWO SIDES SAME ISOCELES	ONE ANGLE $= 90^\circ$ RIGHT
NO SIDES SAME SCALENE	ALL ANGLES $< 90^\circ$ ACUTE

Oct 25-9:30 AM



Oct 25-9:39 AM

NAMING

$\triangle ABC + \triangle ACD$

SYMBOL + 3 LETTERS

Oct 25-9:42 AM