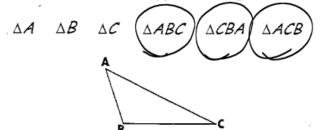
Types of Triangles - Classify by SIDES

Circle the correct name(s) of the triangle below:



SCALENE A

How many \cong sides does a scalene \triangle have? $\bigcirc \bigcirc \bigcirc \bigcirc$

Mark the sides of the triangle To show that NONE are the same ->



EQUILATERAL A

How many \cong sides **must** an equilateral \triangle have?



Can it have more than that amount?



Can it have less than that amount?



Mark the \cong sides in the triangle \rightarrow



ISOSCELES A

How many \cong sides **must** an isosceles \triangle have?

Can it have more than that amount?

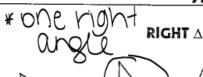
Can it have less than that amount?

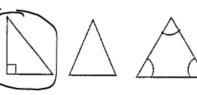


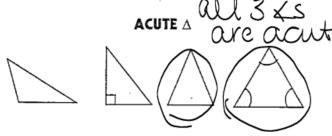
Mark the \cong sides in the triangle \rightarrow



Types of Triangles - Classify by ANGLES

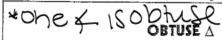






Cirice the RIGHT Δ (there may be more than one)

Cirice the ACUTE Δ (there may be more than one)











Cirice the OBTUSE Δ (there may be more than one)

EQUIANGULAR A

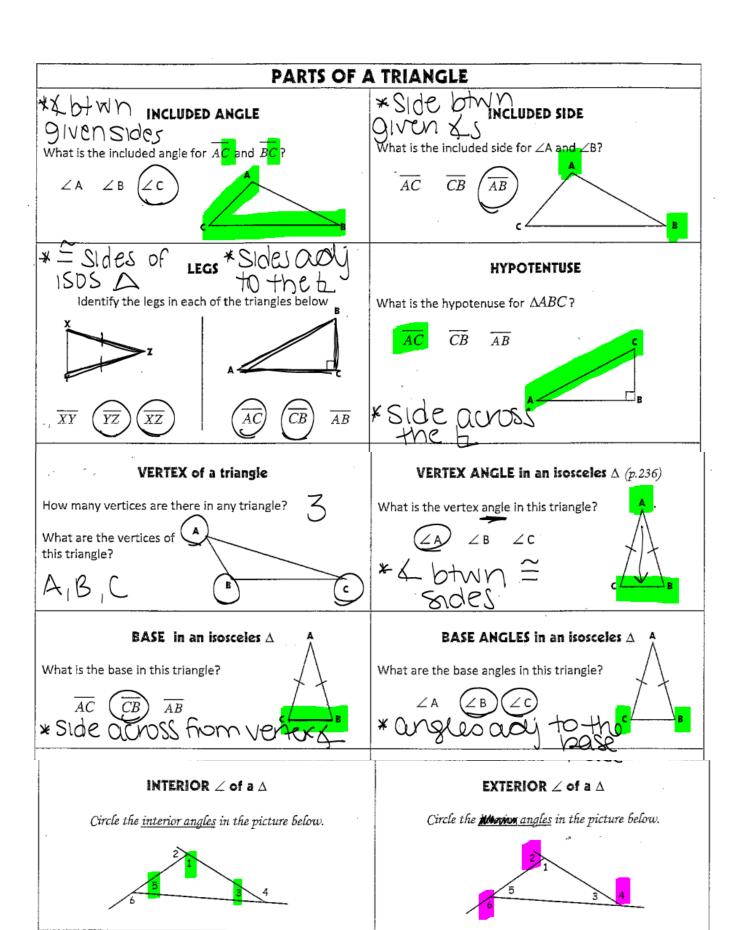


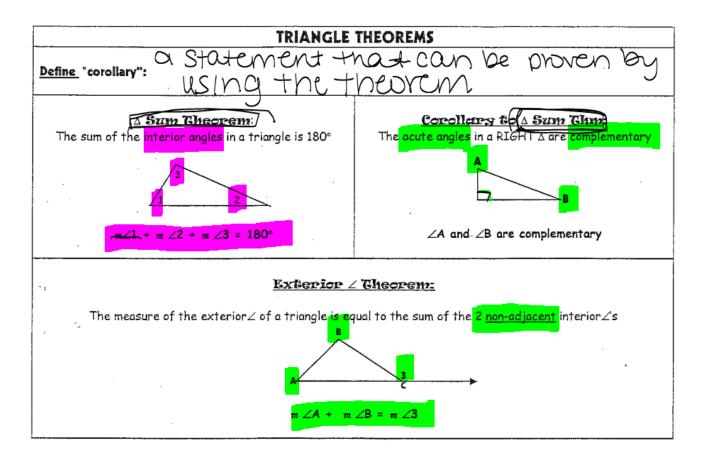






Cirice the EQUIANGULAR A (there may be more than one)

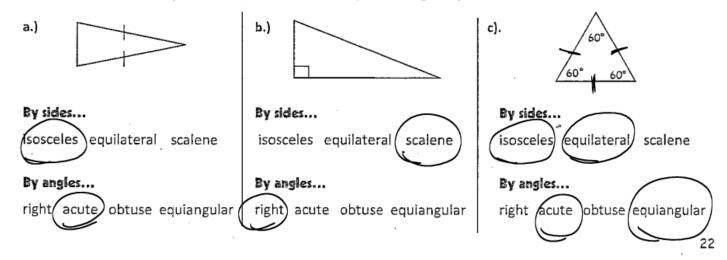




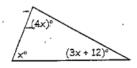
PRACTICE PROBLEMS (All answers are on the bottom of page 23)

CLASSIFYING TRIANGLES -

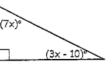
Use the definitions and pictures on page 20 to classify the triangles by their SIDES and ANGLES.



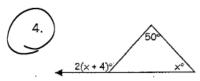
2



3.



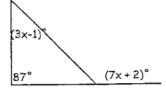
7x + 3x - 10 = 90 or 7x + 3x - 10 + 90 = 180x = 10



$$50+x=2x+8$$

 $50=x+8$
 $x=42$

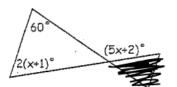
5.



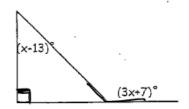
$$3x-1+87=7x+2$$

 $x=21$

6.



60+2×+2=5×+2 ×=20 7.



x-13+90 = 3x+7x=35