Name:_____

Geometry Introduction

Complete the following steps **IN ORDER**. This WILL be turned in for a classwork grade.

CLASSIFY ANGLES

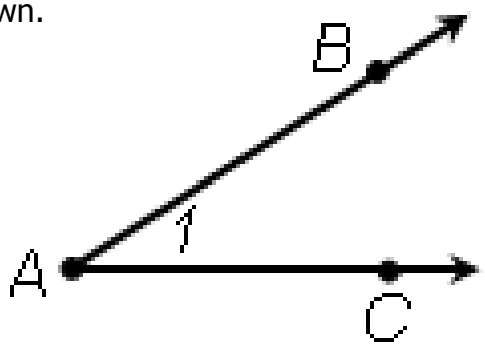
Watch the two videos and complete the graphic organizer on angle classifications.

https://www.youtube.com/watch?v=BzCgb9lqZLw

https://www.youtube.com/watch?v=NVuMULQjb3o

Complete the guided notes as you watch the first video.

1) Label the rays and vertex of the angle shown.



2) Name the angle THREE ways.

3) Define and draw an example for each term below.

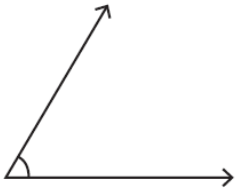
Term	Definition	Example
Right Angle		
Acute Angle		
Obtuse Angle		
Straight Angle		

4) Complete the problems below.

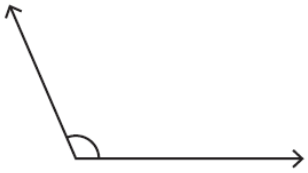
Classifying Angles

L1S1

Classify each angle as acute, obtuse, right or straight.

1) 

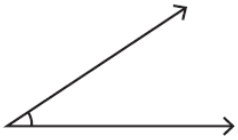
Type : _____

2) 

Type : _____

3)

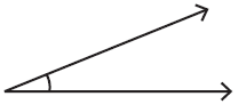
Type : _____

4) 

Type : _____

5)

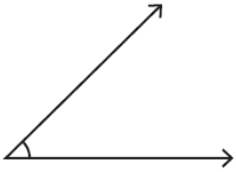
Type : _____

6) 

Type : _____

7)

Type : _____

8) 

Type : _____

9)

Type : _____

10) 49^{o}

Type : _____

11) 82^{o}

Type : _____

12) 180^{o}

Type : _____

CLASSIFY TRIANGLES

1) Watch the following video and read the triangle review link to complete the guided notes.

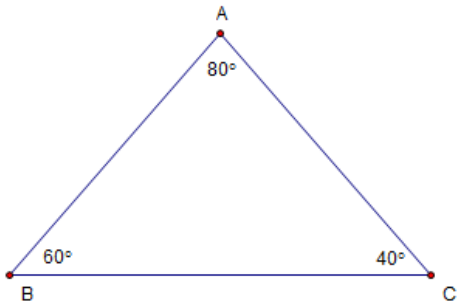
https://www.khanacademy.org/math/geometry-home/triangle-properties/geometry-classifying-triangles/v/scalene-isosceles-equilateral-acute-right-obtuse

https://www.khanacademy.org/math/geometry-home/triangle-properties/geometry-classifying-triangles/a/types-of-triangles-review

ACUTE TRIANGLES

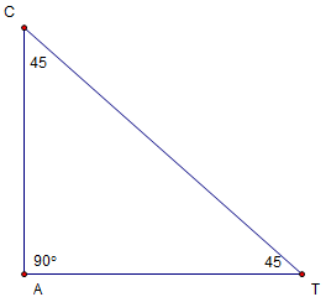
Acute triangles have three _____ angles, which means they are

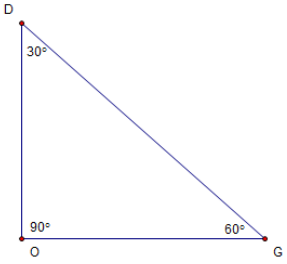
all _____ 90 degrees.



RIGHT TRIANGLES

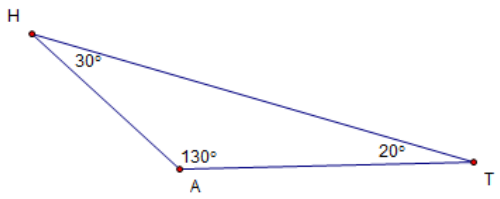
A right triangle, has _____ angle that measures _____ degrees.





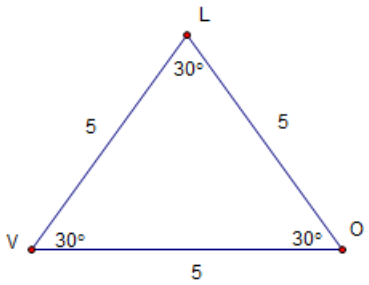
OBTUSE TRIANGLES

Obtuse triangles have _____ angle that is _____, which means it is _____ 90 degrees.



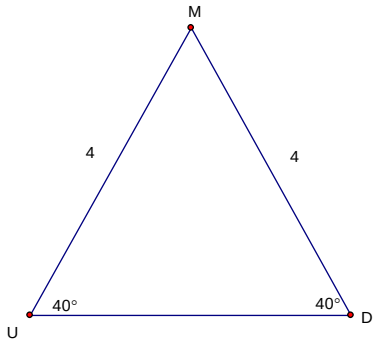
EQUALATERAL TRIANGLE

Triangles that have _____ sides and _____ angles



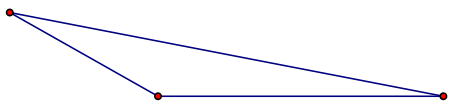
ISOSOCLESES TRIANGLE

Triangles that have _____ sides, and _____ angles.



SCALENE TRIANGLE

Triangles that have _____sides or angles equal.



2) Complete **BOTH** sets of practice problems below. Take a screen shot of your results.

https://www.khanacademy.org/math/geometry-home/triangle-properties/geometry-classifying-triangles/e/identifying-triangles-by-angles

https://www.khanacademy.org/math/geometry-home/triangle-properties/geometry-classifying-triangles/e/recognizing-triangles

COMPLEMENTARY & SUPPLEMENTARY ANGLES

1) Watch the video on complementary and supplementary angles. Complete the notes below.

https://www.youtube.com/watch?v=GO20ZgUzlc0

2) Define and draw an example of each:

Term	Definition	Example
Complementary Angles		
Supplementary Angles		

3) Give one of the three ways described in the video to remember complementary and supplementary angles.

4) Watch the video on solving for missing angles:

https://www.youtube.com/watch?v=_7FwqgcCSA0

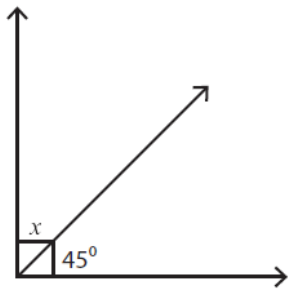
5) Solve the following:

Complementary Angles

Standard: S1

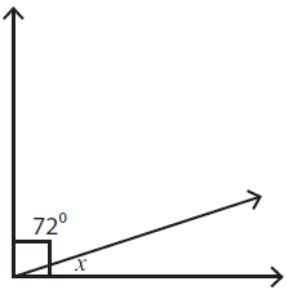
Find the value of x in each right angle.

1)



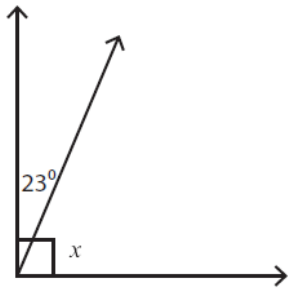
$x =$ _____

2)



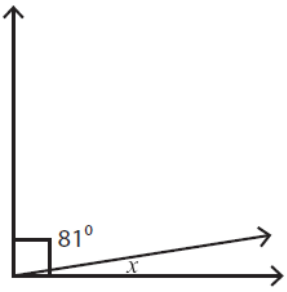
$x =$ _____

3)



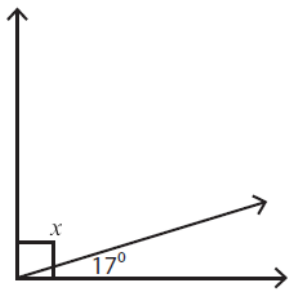
$x =$ _____

4)



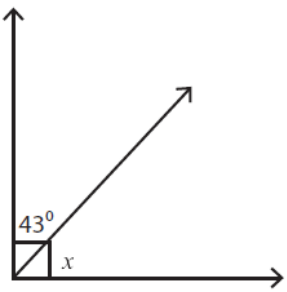
$x =$ _____

5)



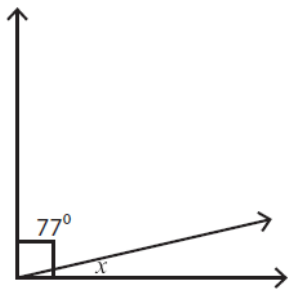
$x =$ _____

6)



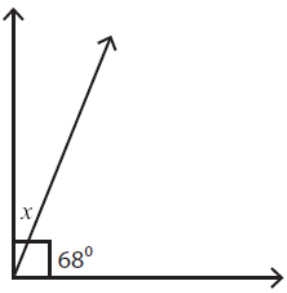
$x =$ _____

7)



$x =$ _____

8)



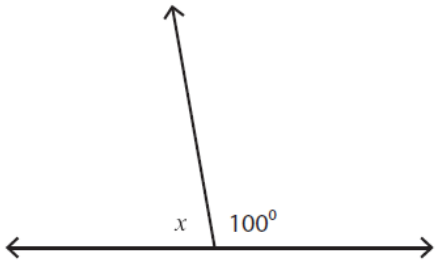
$x =$ _____

Supplementary Angles

Standard: S1

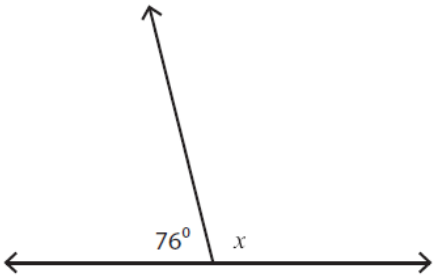
Find the value of x in each linear pair.

1)



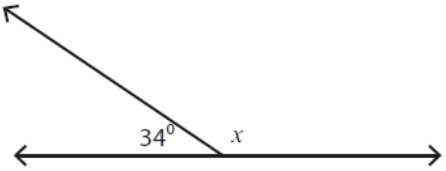
$x =$ _____

2)



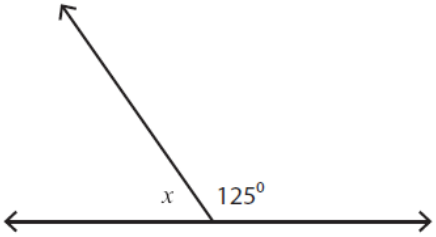
$x =$ _____

3)



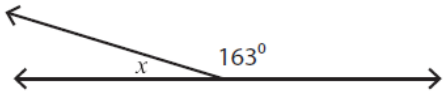
$x =$ _____

4)



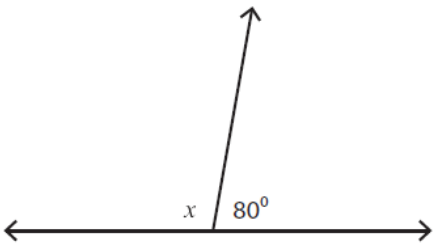
$x =$ _____

5)



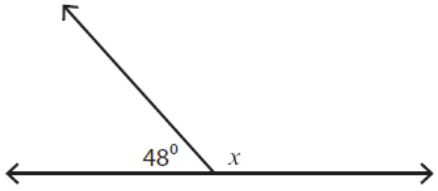
$x =$ _____

6)



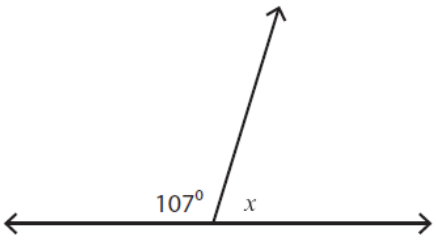
$x =$ _____

7)



$x =$ _____

8)



$x =$ _____