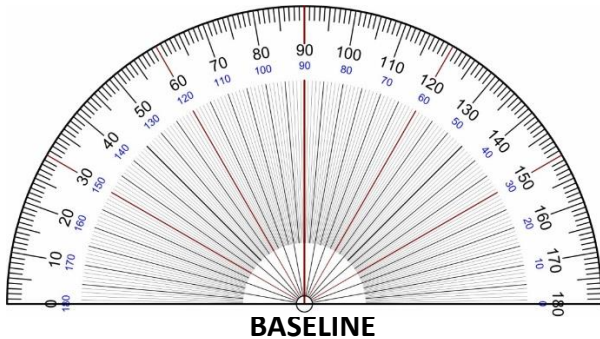


Name: \_\_\_\_\_

## Unit 4 – Geometry

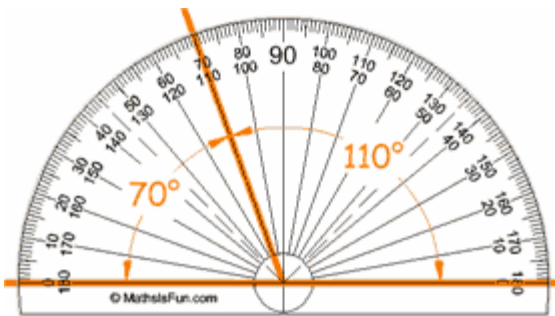
### 4.2 – Measuring, Sketching & Bisecting Angles

#### Measuring Angles



This is a protractor, it helps you measure angles in degrees.

The **baseline** of the protractor must lie along one of the **rays of the angle**. The **center** of the protractor must be at the **vertex** of the angle.

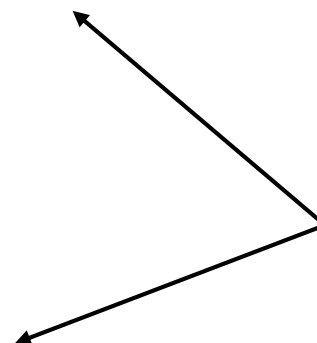
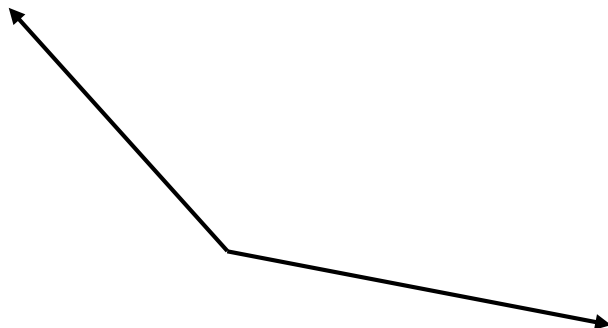
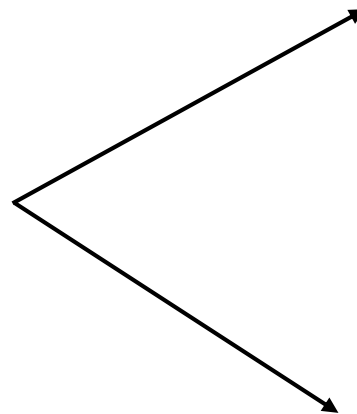
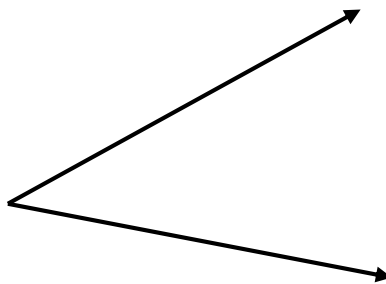


Protractors have two sets of numbers going in opposite directions. **Be careful which one you use!**

When in doubt **THINK:**

*"should this angle be bigger or smaller than 90°?"*

Measure the following angles:



## Sketching Angles

Sketch the following angles measures:

$60^\circ$

$47^\circ$

$138^\circ$



$250^\circ$



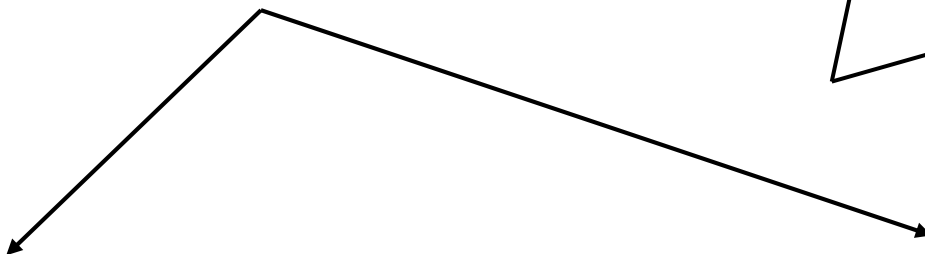
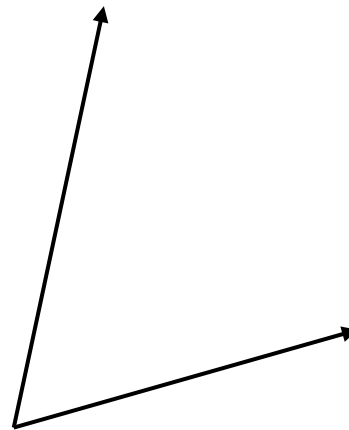
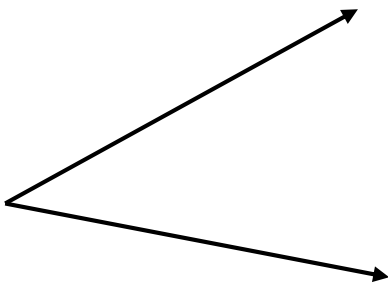
$338^\circ$

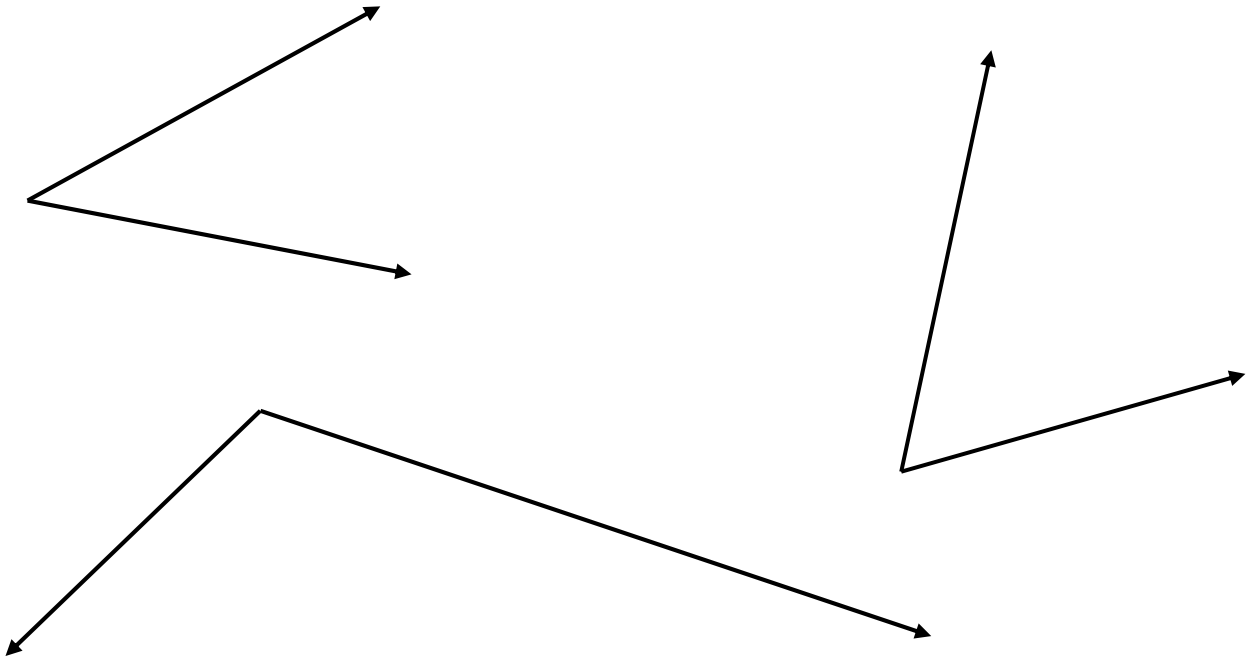


## Bisecting Angles

**BISECT AN ANGLE** means: ``divide the angle into two equal parts``, using either a...

...PROTRACTOR

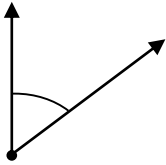




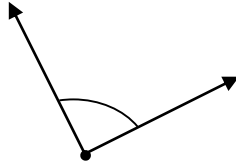
### Assignment

1. Bisect the following angles using a **protractor**. What is the measure of the bisected angle?

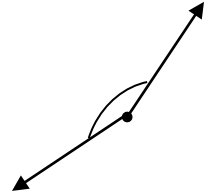
a)



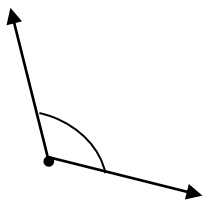
b)



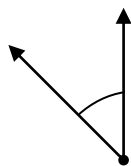
c)



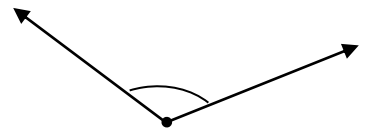
d)



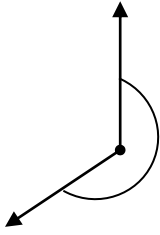
e)



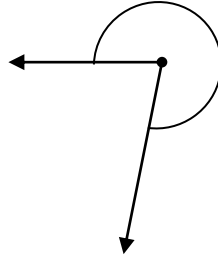
f)



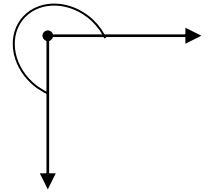
g)



h)

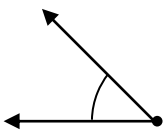


i)

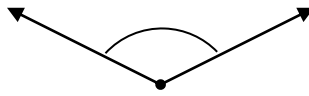


2. Bisect the following angles using a **compass**. What is the measure of the bisected angle?

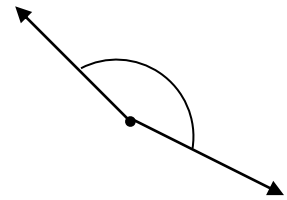
a)



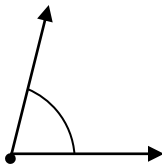
b)



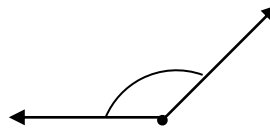
c)



d)



e)



f)

