NArcs and FArcs Near Arcs and Far Arcs

Narcs and Farcs

Near Arcs and Far Arcs.

These are ratios that are cause by the intersection of segments or lines with a circle.

The ratios come about because of <u>arc measures</u> and/or <u>similar triangles</u>.

Similarity can be proved using arc measures.

In these slides f and n refer to the near arc and far arc.



n is the arc nearest $\angle \theta$

f is the arc farthest $\angle \theta$

Remember the arc measure is the same as the central angle There are three scenarios that you need to recognize and work with. In each scenario there is a ratio of angles and a ratio of sides.

The slides follow the same order.

First I will show you the angle ratio,

then I will show you the proof of the angle ratio,

then will be an example.

You do not need to remember the proofs, though knowing them will help you solve complex problems.

The ratio of sides comes from triangle similarity. Which you should be familiar with. Review if necessary.

Applying a formula to solve a problem is at most C level work.





























best of the narcs	
fin	

