Untitled.notebook May 15, 2017

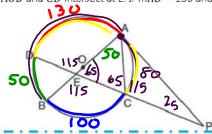
> Geometry CC - Mr. Valentino Unit 12 Day 7: Super Circles Day 1

Name: Date:		
	Per:	

Aim: How can we solve "Super Circles?"

Do Now:

In the accompanying diagram, \overline{PA} is tangent to circle O at A, chord \overline{AC} and secant \overline{PCED} are drawn, and chords \overline{AOB} and \overline{CD} intersect at E. If $\widehat{mAD} = 130$ and $\widehat{m} \angle BAC = 50$ find:

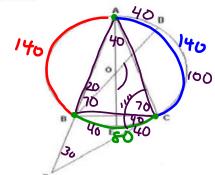


$$MZP = \frac{130 - 80}{2} = \frac{50}{2} = 25$$
 $MZBEC = 115^{\circ} = \frac{130 + 100}{2}$
 $MZPCA = 115^{\circ}$

SUPER CIRCLES - Woah!

1. In the diagram, isosceles triangle ABC is inscribed in circle O, and vertex angle BAC measures 40°. Tangent PC, secant \overline{PBA} and diameters \overline{BD} and \overline{AE} are drawn. Find:

e. m 4ACP = 110



2. Circle O with tangent \overline{DE} and \overline{mBC} : \overline{mCD} : \overline{mAD} : \overline{mAB} = 7:8:12:9 Find all of the numbered angles.

