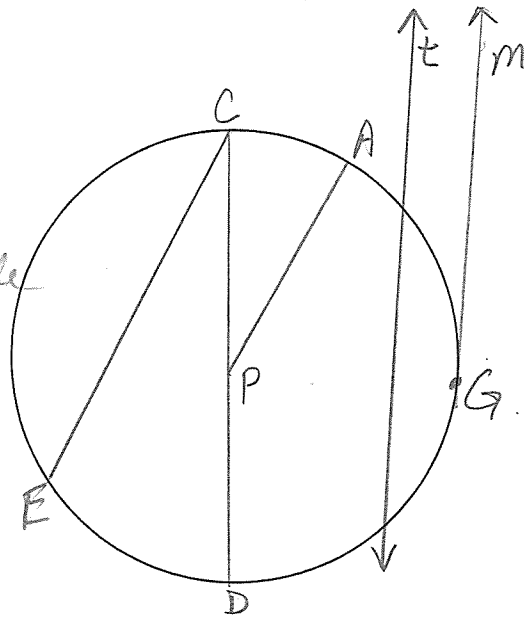


Geometry (H)

Section - Circle Basic terms

In the circle at the right draw the following:

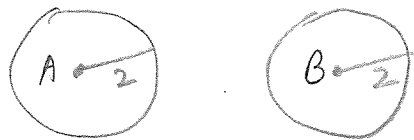
- a) Radius \overline{PA}
- b) Diameter \overline{CD}
- c) Chord \overline{CE} - segment w/ endpoints on circle
- d) Tangent line m
- e) Point of tangency G
- f) Secant line t



line that contains a chord.

Draw a diagram.

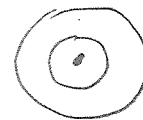
- a) Congruent Circles - have \cong radii



symbol for circle
 $\odot A \cong \odot B$

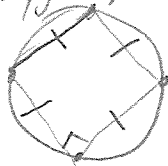
- b) Concentric Circles "Target Logo"

- same center,
 - circles must be on same plane.



- c) A polygon inscribed in a circle - vertices must be on circle.

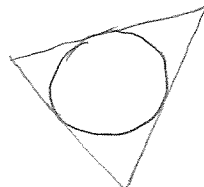
(inscribed polygon)



An inscribed square

- d) A polygon circumscribed about a circle - each side of polygon is a tangent to circle.

(circumscribed polygon)



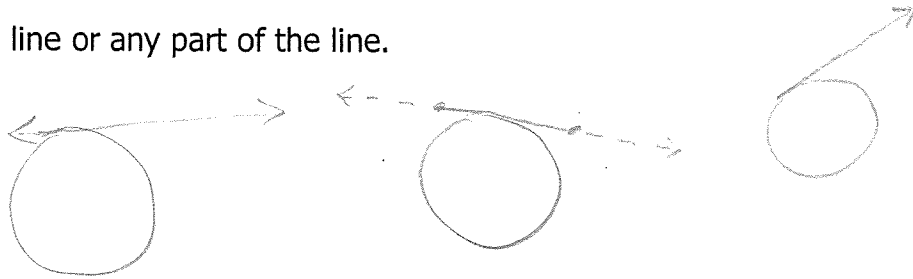
a circumscribed triangle

Other notes ...

A circle is named by its center.



A tangent can be a line or any part of the line.



A secant is a line or any part of the line that passes through the circle.

