9.0 Circle Definitions and Arcs Homework Day 1 Geometry 3313

Name_hey
Date___ Period_________
$\qquad$

5. Name 2 tangents.

7. Name 2 central angles.
$\angle A P B, \angle E P F$
8. Draw and label a circle with the following criteria:

- Center is point $R$
- Diameter is $\overline{C D}$
- Two radii $\overline{R F}$ and $\overline{R M}$
- Chords $\overline{F M}$ and $\overline{C M}$
- Inscribed angle $\angle C D T$
- Tangent line $\overleftrightarrow{M Q}$


Determine if each of the following sets of circles are congruent. The circles may not be drawn to scale.
9. Diameter $=2 x-4$


Diameter $=4 x+1$

11. A dartboard is composed of concentric circles. Use the information provided to find the length of the inner grey ring of the dartboard.

12. Give 3 more examples of things in the real world which are composed of concentric circles. Ripples in a pond, a CD, Rings sinatice

