Name: $\qquad$ Date: $\qquad$
Use the following to review for you test. Work the Practice Problems on a separate sheet of paper.

| What you need <br> to know $\&$ be <br> able to do | Things to remember |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Find the <br> measure of <br> parts of a chord <br> in a circle | part • part = part • part |


| Determine if two chords are congruent | Two chords are congruent if they are equidistant from the center of the circle | 11. Are $\overline{J K}$ and $\overline{M L}$ congruent? | 12. Are $\overline{T Q}$ and $\overline{U Q}$ congruent? |
| :---: | :---: | :---: | :---: |
| Use the properties of congruent chords to find the measure of arcs and segments | Two chords are congruent if and only if they are equidistant from the center of the circle. | 13. Find the measure of $Y X$. | 14. Find the measure of GF |
| Determine if a chord is a diameter. | To be a diameter the chord must be a perpendicular bisector of another chord. | 15. Is $\overline{Q S}$ a diameter? Why or why not? | 16. Is $\overline{Q S}$ a diameter? Why or why not? |
| Use the properties of diameters and perpendicular chords. | Set up the problem so that you can use Pythagorean theorem. | 17. Find AB | 18. Find CD |
| Use properties of tangents to determine if the line is a tangent | You must satisfy the Pythagorean Theorem. | 19. Is $\overline{A B}$ a tangent? Why or why not? | 20. Is $\overline{A B}$ a tangent? Why or why not? |
| Use properties of tangents to find missing measures. | Pythagorean Theorem | 21. Find the measure of $x$. | 22 . Find the value of $x$. |

