Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Block: \_\_\_\_\_\_\_\_\_\_

Circles Quiz Retake

Be sure to show all of your work. Unjustified responses will not receive full credit.

Given the circle with center, *G*, identify/find the following parts:



1. Name the diameter. \_\_\_\_\_\_\_\_\_\_\_
2. Name a chord that is not a diameter. \_\_\_\_\_\_\_\_\_\_\_\_\_
3. Name a tangent segment. \_\_\_\_\_\_\_\_\_\_\_\_
4. Name a secant. \_\_\_\_\_\_\_\_\_\_\_\_
5. Name a radius. \_\_\_\_\_\_\_\_\_\_\_\_
6. $m∠FGE$ \_\_\_\_\_\_\_\_\_\_\_
7. $m\hat{FAB}$ \_\_\_\_\_\_\_\_\_\_\_
8. $m\hat{FA}$ \_\_\_\_\_\_\_\_\_\_\_
9. $m∠FBA$ \_\_\_\_\_\_\_\_\_\_\_
10. $m\hat{BDE}$ \_\_\_\_\_\_\_\_\_\_\_\_\_\_
11. $m∠FGB$ \_\_\_\_\_\_\_\_\_\_\_\_

Find the indicated measure in the problems below.



12) 13) 

 $m∠MPN$ = \_\_\_\_\_\_\_\_\_\_\_\_\_

 $m∠MLN$ = \_\_\_\_\_\_\_\_\_\_\_\_\_

$m∠BAC=\\_\\_\\_\\_\\_\\_\\_\\_\\_\\_$

1. If $\overbar{RQ}$ is a tangent segment to circle P and $\overbar{PR}$ is the radius of the circle, find the lengths PQ and SQ. Show all work.

PQ = \_\_\_\_\_\_\_\_\_ SQ = \_\_\_\_\_\_\_\_\_\_\_ Work:

R



S

Q

Find the indicated measures.



15. 16. 17.

 x = \_\_\_\_\_\_\_\_\_ x = \_\_\_\_\_\_\_\_\_\_\_\_ $m∠Y=\\_\\_\\_\\_$\_ $m\hat{x}=\\_\\_\\_\\_\\_$



18. Use the diagram to find the measures of the indicated arcs and angles.

$x=$\_\_\_\_\_\_\_\_\_\_\_

$y=$\_\_\_\_\_\_\_\_\_\_\_

$z=$\_\_\_\_\_\_\_\_\_\_\_

$r=$\_\_\_\_\_\_\_\_\_\_\_

$m=$\_\_\_\_\_\_\_\_\_\_\_