**Secondary Math II**

Name

Quarter 3 Final

PRACTICE TEST



56°

Figure A with diameter .

46°

1. Referring to Figure A, find the measure of .
2. Referring to Figure A, find the measure of .
3. Point *K*(1, –4) is dilated with center at the origin and a scale factor of 3. Where is *K*'?



13

3

Figure B

1. Referring to Figure B, find *PQ*.
2. Referring to Figure B, find sin*P*.
3. If , , and , find .
4. If , cm, cm, and cm, find *JL.*
5. Fill in the blank to make the equation true: 



52°

14

*x*

1. In the triangle at the right, solve for *x*.
2. Find the volume of a sphere with diameter 5 cm.
3. Find the volume of a cylinder with radius 5 cm and height 7 cm.



1. Construct the circumcircle on .
2. What is the length of the radius of the circle given by the equation: 
3. The measure of  is 20° on a circle with a radius measuring 5cm. Find the arclength of .
4. Simplify the following radical: 
5. Identify the vertex of the function: 
6. For  defined in the previous problem, find .
7. Given the following equation: , solve for *h*.
8. Multiply. 
9. Factor. 