NAME _____ DATE _____ Pd _____

10.4 Inscribed Angles & Polygons CYU

☑ Use when you get it right all by yourself

S Use when you did it all by yourself, but made a silly mistake

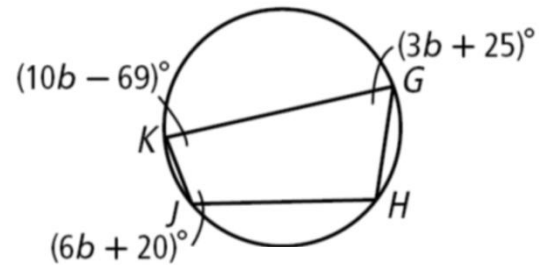**H** Use when you could do it alone with a little help from teacher or peer

G Use when you completed the problem in a group

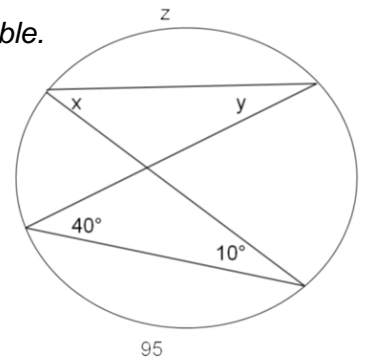**X** Use when a question was attempted but wrong (get help)

N Use when a question was not even attempted

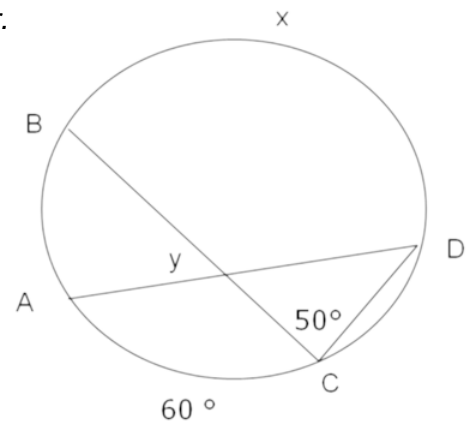| CONCEPTS	BASIC	INTERMEDIATE	ADVANCED
Finding angle measures of inscribed polygons		1	5, 6
Inscribed angles		2, 3	
Intercepted arcs		2, 3	
Inscribed Right Triangle Theorem		4	
Inscribed Quadrilateral Theorem		1	5, 6

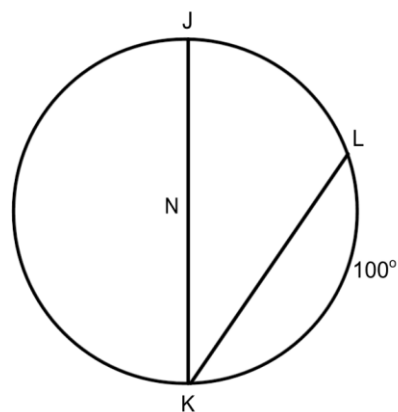1. *Find the angle measures of GHJK.*

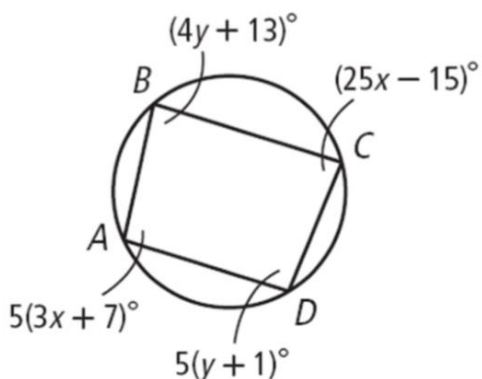2. *Find the missing pieces of the circle and state the value for each variable.*

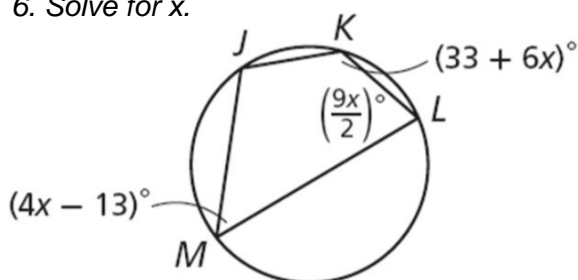3. *Find x. Then find m∠ADC. Show all work to justify your answer.*

4. Find m∠JKL, if $\overline{JK}$ is a diameter.

J

L

N

100°

K

5. Solve for x and y.

$(4y + 13)°$

B

$(25x - 15)°$

C

A

$5(3x + 7)°$

D

$5(y + 1)°$

6. Solve for x.

K

J

$(33 + 6x)°$

$\left(\frac{9x}{2}\right)°$

L

$(4x - 13)°$

M

CYU Reflection: *How far can you go: basic, intermediate, or advanced?*
Rate your mastery level!
How confident are you with the skills this CYU covered? Circle the score you would give
yourself.

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

Basic   Intermediate   Advanced Solved ALL!