	1/
Name_	Key
	- U

Date

Pd

## 11.3 Areas of Polygons Shaded Regions CYU

I Use when you get it right all by yourself

Suse when you did it all by yourself, but made a silly mistake with a little help from teacher or peer

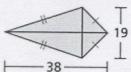
& Use when you completed the problem in a group

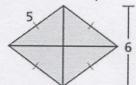
IUse when a question was attempted but wrong (get help)

NUse when a question was not even attempted

CONCEPTS	BASIC	INTERMEDIATE	ADVANCED
Area of kite or rhombus	1	2	
Vocabulary terms	4 - 6		
Area of a regular polygon & central ∠	7	.8	
Area of shaded region of regular polygon			9 - 12

Find the area of the kite or rhombus. Show the set up.





5.88

4.05

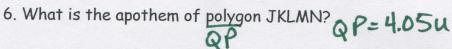
361 u2

Use the diagram to answer the following questions.

3. Identify the center of polygon JKLMN.

4. Identify a central angle of polygon JKLMN. 3MPN

5. What is the radius of polygon JKLMN? 5u = PM

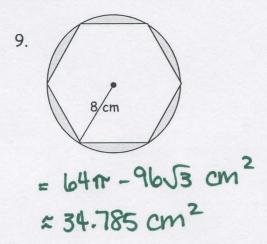


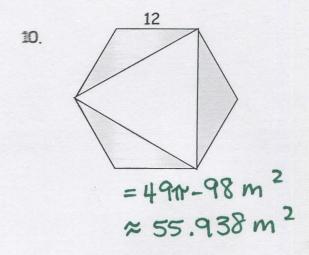
Find the measure of a central angle of a regular polygon with the given number of sides. Round answers to the nearest tenth of a degree, if necessary.

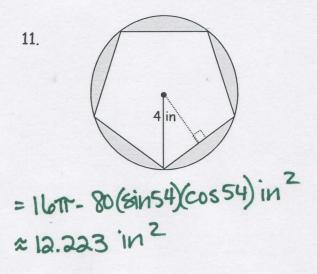
7. 18 sides

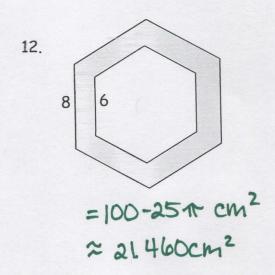
8.7 sides

Find the area of each shaded region. Show set up. Give the exact and approximate to the thousandths when approximate. Do not forget units.









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.

