

7.5 Kite 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

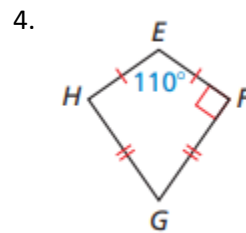
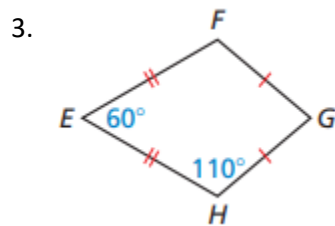
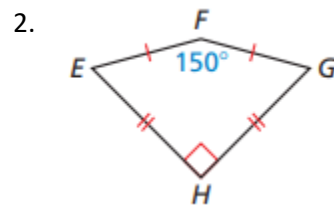
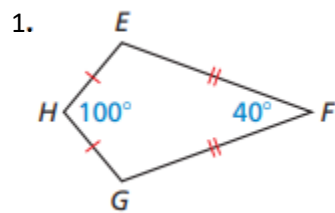
G Use when you completed the problem in a group

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

N Use when a question was not even attempted

CONCEPTS	BASIC	INTERMEDIATE	ADVANCED
Applying kite properties	1 - 4	5	8, 9
Classifying quadrilaterals		6, 7	10
Describing transformations		11, 12	

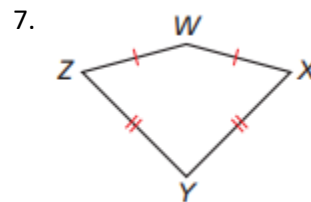
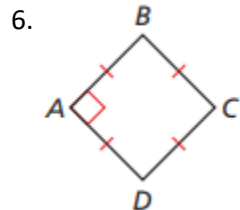
Find $m\angle G$.



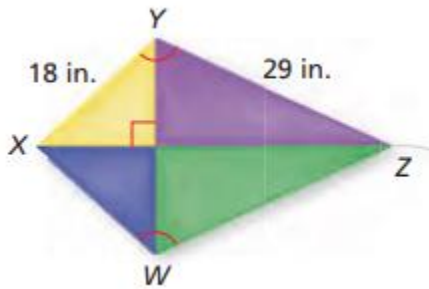
5. **ERROR ANALYSIS** Describe and correct the error in finding $m\angle A$.

Opposite angles of a kite are congruent, so $m\angle A = 50^\circ$.

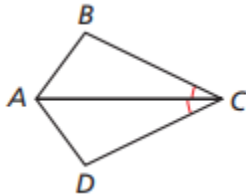
Give the most specific name for the quadrilateral. Explain your reasoning.



8. **PROBLEM SOLVING** You and a friend are building a kite. You need a stick to place from X to W and a stick to place from W to Z to finish constructing the frame. You want the kite to have the geometric shape of a kite. How long does each stick need to be? Explain your reasoning.

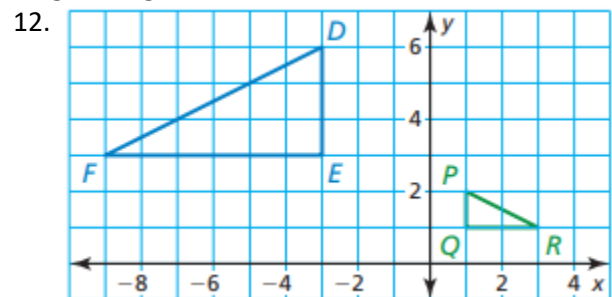
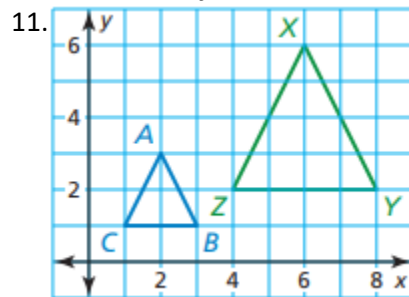


9. **REASONING** Determine which pairs of segments or angles must be congruent so that you can prove that ABCD is a kite. Explain your reasoning. (There may be more than one right answer.)



10. **REASONING** Determine whether the points A(4, 5), B(-3, 3), C(-6, -13), and D(6, -2) are the vertices of a kite. Explain your reasoning.

Describe a transformation that maps the left image to the right image.



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.

