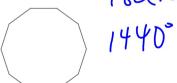
$$/=108$$

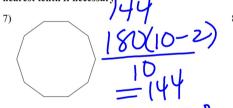


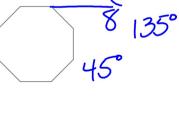
Find the interior angle sum for each polygon. Round your answer to the nearest tenth if necessary.

5)



Find the measure of one exterior angle in each regular polygon. Round your answer to the nearest tenth if necessary

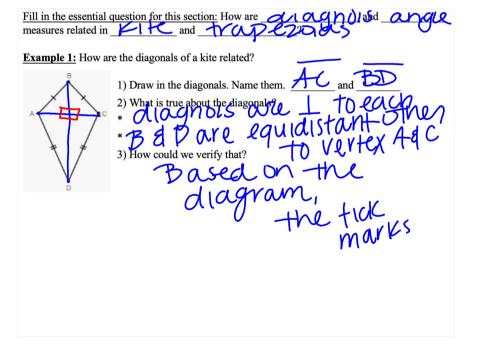


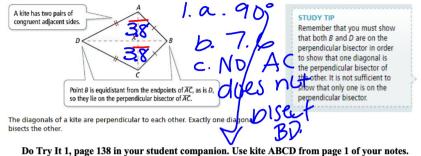




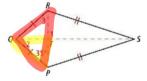
H. Geometry	6-2: Kites and Trapezoids	Date:
Objective: I can use tri	angle congruence to understand kites an	d trapezoids.
DEFINTIONS A kite 15 A 9 OF CONSELL An isosceles trapezoi 1 T 0 TV Wh DS L Do "Critique and Exp A PF SP	Jad wy 2 pails of Mind in your students of Min	ient companion, page 137/el PR b 15 CC+5 QS A PQR 15 equil.

	the number of side	





Example 2: Quadrilateral PQRS is a kite with diagonals \overline{QS} and \overline{PR} .



a) What is $m \angle 1$? Why?

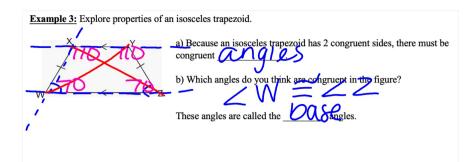
Then... $\overline{WY} \perp \overline{XZ}$

Do Try It 2 and Habits of Mind, page 138 in your student companion.

Car you determine mZWZX from the information given? Explain.

COMMON ERROR

You may incorrectly assume angles are congruent just from their appearance. Always check that you can prove congruence first.



Do Try It 3, page 139 in your student companion.			
Theorem 64: In an 1505. Trapezoid each pair of base 25 all =	Theorem 6-5: The duag. IN ON ISDS. Or & =:		
If Then $\angle BAD \cong \angle CDA$, $\angle ABC \cong \angle DCB$	If $\overline{AC} \cong \overline{DB}$		

c) What kind of angles are $\angle X$ and $\angle W$? Is there another pair of similar type angles?
d) Draw in the diagonals of the figure. Name them: \sqrt{Z} and \sqrt{W} .
What do you think is true about these diagonals? Can we verify that? E) If $m \ge W = 70^\circ$, find the measures of the remaining angles. $W = 70^\circ$ $W = 110$