

UNIT TEST... Chp. 1 - Inductive/Deductive
Tomorrow! Chp. 2 - Angle Properties

REVIEW / PRACTICE TIME...

CHAPTER 1...

- p. 34: Mid Chp Review (FAQ)
- p. 35: Mid Chp Practice Ques.
- p. 59: Chp Review (FAQ)
- p. 61: Chp Practice (omit 1.7)
- p. 58: Practice Test

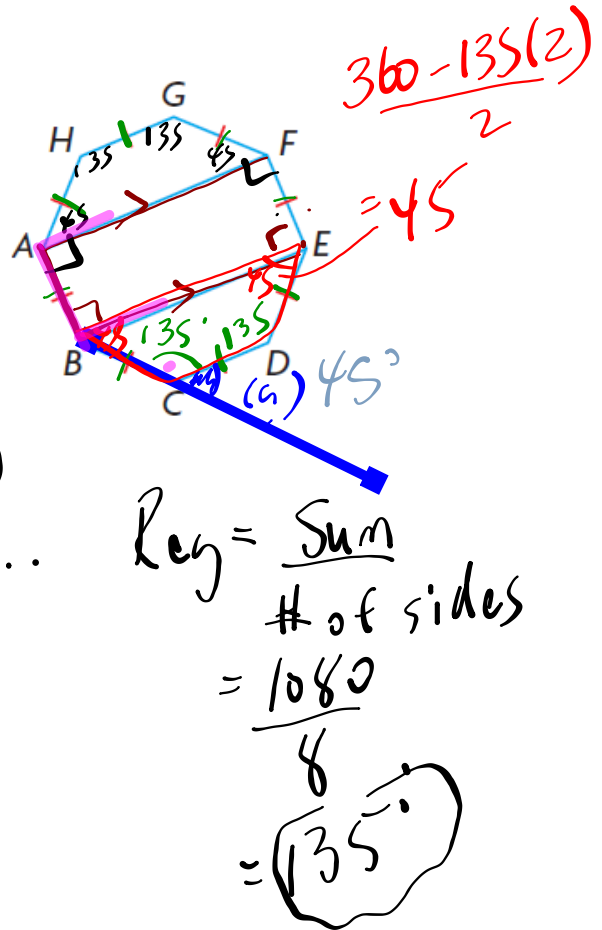
CHAPTER 2...

- p. 84: Mid Chp Review (FAQ)
- p. 85: Mid Chp Practice Ques.
- p. 105: Chp Review (FAQ)
- p. 106: Chp Practice
- p. 104: Practice Test

Review Questions...

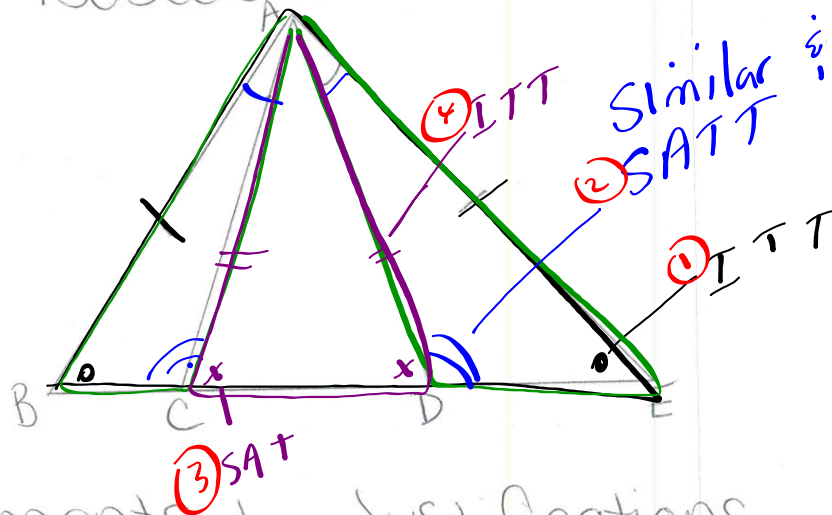
5. $ABCDEFGH$ is a regular octagon.

- a) Draw an exterior angle at vertex C .
- b) Determine the measure of the exterior angle you drew.
- c) Prove: $AF \parallel BE$



c)	Extend BC to form exterior angles $\angle ABI$ and $\angle DCJ$.	
	$\angle ABI = 45^\circ$ $\angle DCJ = 45^\circ$	Exterior angle of regular octagon
	$BE \parallel CD$	Alternate exterior angles are equal.
	$\angle CBE = 45^\circ$	Alternate interior angles
	$\angle ABE = 90^\circ$	Supplementary angles
	Similarly, by extending AH and following the process above, $\angle FAB = 90^\circ$.	
	$\angle ABE + \angle FAB = 180^\circ$	
	$AF \parallel BE$	Interior angles on the same side of the transversal are supplementary.

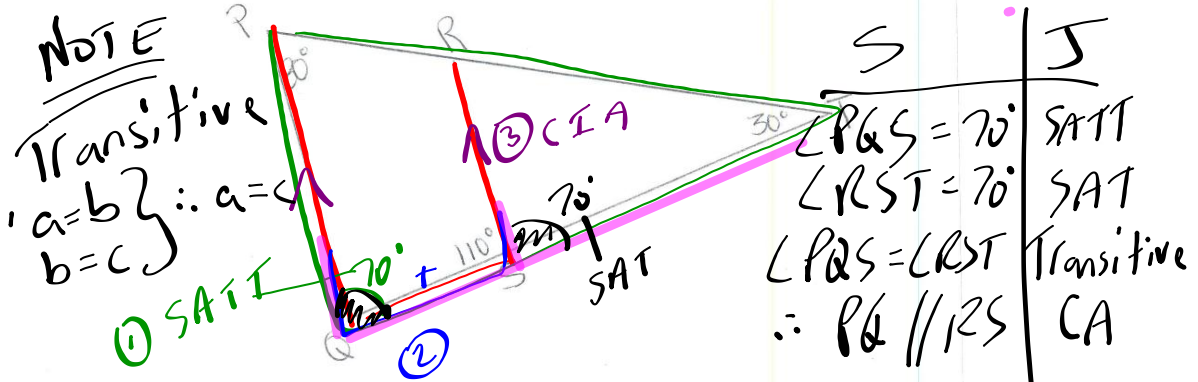
Prove that $\triangle ACD$ is isosceles.



Statements	Justifications
$\angle ABC = \angle AED$	ITT
$\angle ACB = \angle ADE$	SATT & similar triangles
$\angle ACD = \angle ADC$	SAT
$\therefore AC = AD$	ITT

(4)

Prove $PQ \parallel RS$



Statements | Justifications

$\angle PQT = 70^\circ$	SATT
$\angle PQS + \angle RST = 180^\circ$	Addition
$\therefore PQ \parallel RS$	CIA