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)
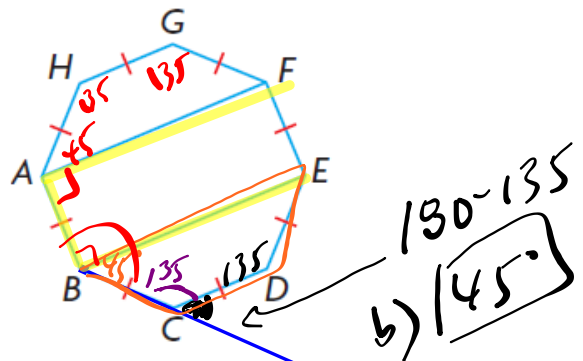
- p. 58: Practice Test

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

P.134

5. *ABCDEFGH* is a regular octagon.
   a) Draw an exterior angle at vertex *C*.
   b) Determine the measure of the exterior angle you drew.
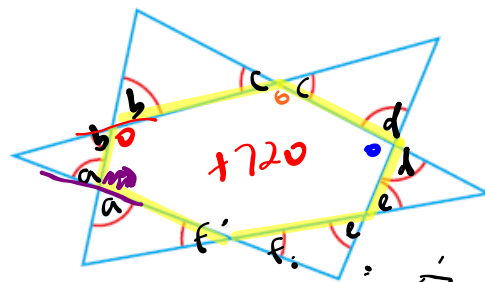   **c)** Prove: *AF* ∥ *BE*

b) Sum = $180°(n-2)$

Sum = $180°(8-2)$

Sum = 1080

angle = $\dfrac{1080}{8}$

= $135°$

G
H   05 135   F
     45
A   E   130~135
B 45 135 135 D   b) 145°
   C

Statement	Justification
∠BCD = 135°	formula
∠CDE = 135°	formula
∠CBE = 45°	$\dfrac{360-270}{2}=45$
∠ABE = 90°	Sum of 135° X
∠BAF = 90°	See above 8
∠ABE + ∠BAF = 180°	adding
∴ AF ∥ BE	CIA

2

6. Determine the sum of the indicated angles.

$Sum = 180(6-2)$

$= 720°$

$(180° - a) + (180 - b) + (180 - c) + (180 - d) + (180 - e) + (180 - f) = 720$

$6(180) - 720 = a + b + c + d + e + f$

$\downarrow \times 2$ $\downarrow \times 2$

$\boxed{720°}$
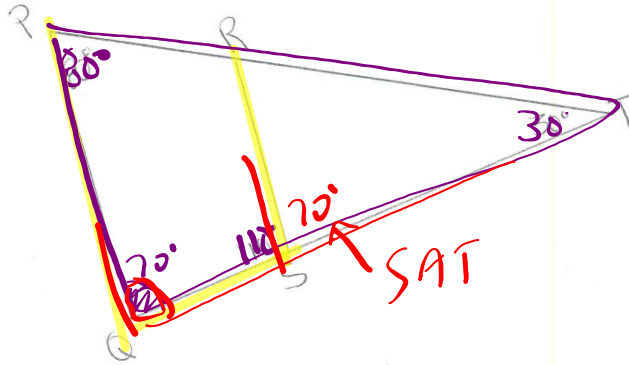
$+720$

Lesson 1.1

p. 35

1. A medicine wheel consists of a cairn of stones surrounded by a circle of rocks, with lines of rocks extending from the centre to the circle. The Moose Mountain Medicine Wheel is a sacred site, created by First Nations peoples more than 2000 years ago. Its exact purpose is not known. Make a conjecture about the purpose or usage of the Medicine Wheel.

④

Prove PQ // RS

Statements	Justifications
$\angle PQS = 70°$	SATT
$\angle PQS + \angle QSR = 180°$	SAT
$\therefore PQ // RS$	CIA