

UNIT TEST... Chp. 1 - Inductive/Deductive

tomorrow Chp. 2 - Angle Properties

REVIEW / PRACTICE TIME...

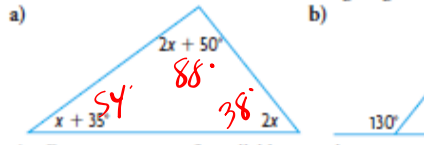
CHAPTER 1...

- 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

2. Determine the value of x in the following diagram



$$(x + 35) + (2x + 50) + 2x = 180$$

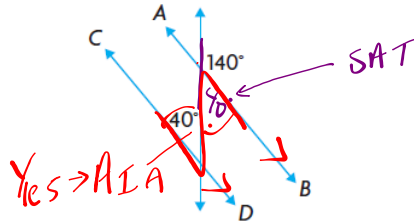
$$5x + 85 = 180$$

$$5x = 180 - 85$$

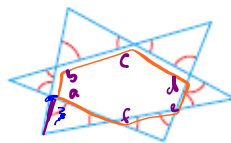
$$5x = 95$$

$$x = 19$$

4. Is AB parallel to CD ? Explain how you know.



6. Determine the sum of the indicated angles.



$$S(6) = 180(6-2) = 720$$

$$2(180 - a) + 2(180 - b) + 2(180 - c) + 2(180 - d) + 2(180 - e) + 2(180 - f) = ?$$

$$6(2)(180) - 2a - 2b - 2c - 2d - 2e - 2f = ?$$

$$2160 - 2(a + b + c + d + e + f) = ?$$

$$2160 - 2(720) = ?$$

$$720 = ?$$

Mr. Svarc's Magic???

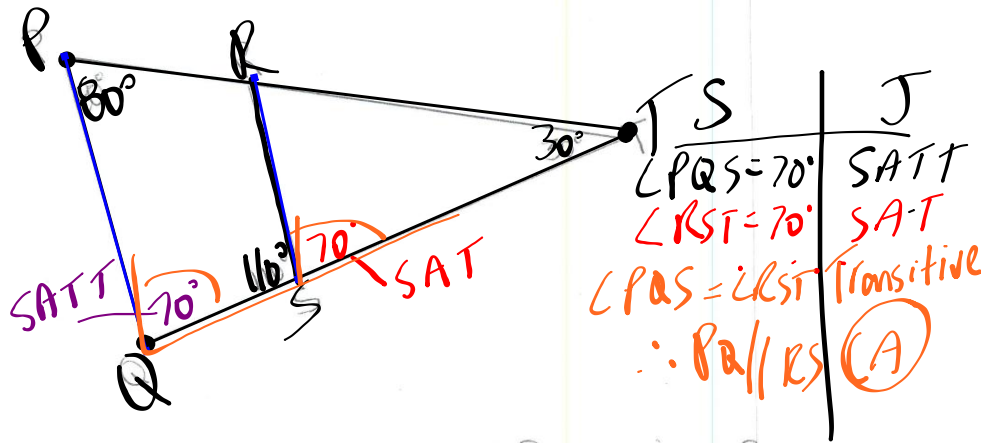
VOLUNTEER...

1. Pick a number between 50 and 99.
2. Add 62.
3. Cross out the hundreds digit and add to the units digit.
4. Subtract the answer from the original number.

READY TO BE AMAZED???

(4)

Prove $PQ \parallel RS$

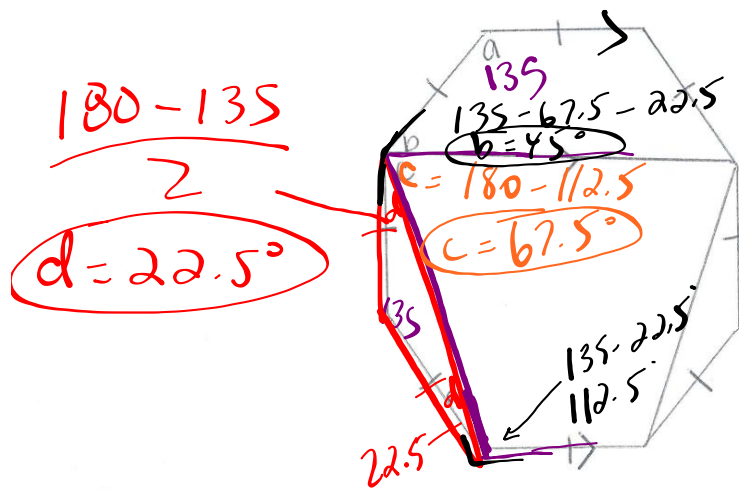


$\angle PQS = 70^\circ$	SATT
$\angle RST = 70^\circ$	S.A.T
$\angle PQS = \angle RST$	Transitive
$\therefore PQ \parallel RS$	(A)

Statements	Justifications
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$\angle QSR = 110^\circ$	Given
$\angle PQS = 70^\circ$	SATT
$\angle QSR + \angle PQS = 180^\circ$	Addition
$\therefore PQ \parallel RS$	(A)

Determine the values of 5
 a, b, c, and d.



$$\frac{180 - 135}{2}$$

$$d = 22.5^\circ$$

$$S(8) = 180(8-2) = 1080$$

$$\text{Angle} = \frac{1080}{8}$$

$$a = 135^\circ$$

Show all your work!

a= b= c= d=