

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...

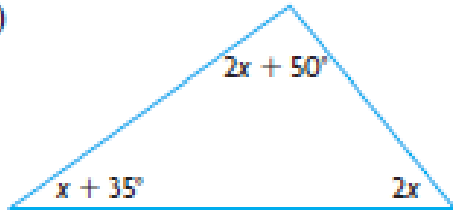
- p. 84: Mid Chp Review (FAQ)
- p. 85: Mid Chp Practice Ques.
- p. 105: Chp Review (FAQ)
- p. 106: Chp Practice
- p. 104: Practice Test

#2

Review Questions...

2. Determine the value of x in the following

a)



b)

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

$$5x + 85 = 180$$

$$5x = 180 - 85$$

$$5x = 95$$

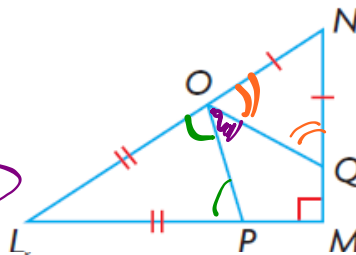
$$x = 19^\circ$$

9. Given: $LM \perp MN$

$$LP = LO$$

$$NO = NQ$$

Prove: $\angle POQ = 45^\circ$



NOT ON TEST

Lesson 2.4

9. e.g.,

$\angle OPL = \angle POL$ $\angle OQN = \angle NOQ$	$\triangle OPL$ and $\triangle NOQ$ are isosceles.
$\angle PLO = 180^\circ - (\angle POL + \angle OPL)$ $\angle QNO = 180^\circ - (\angle NOQ + \angle OQN)$	The sum of the angles in each triangle is 180° .
$\angle PLO = 180^\circ - 2\angle POL$ $\angle QNO = 180^\circ - 2\angle NOQ$	Substitute $\angle OPL = \angle POL$ and $\angle OQN = \angle NOQ$.
$\angle PLO + \angle QNO = 180^\circ - 90^\circ$ $\angle PLO + \angle QNO = 90^\circ$	$\angle PLO$ and $\angle QNO$ are the two acute angles in the right triangle LMN .
$(180^\circ - 2\angle POL) + (180^\circ - 2\angle NOQ) = 90^\circ$	Substitute the expressions for $\angle PLO$ and $\angle QNO$.
$\angle POL + \angle NOQ = 135^\circ$	Isolate $\angle POL + \angle NOQ$ in the equation.
$\angle POQ = 45^\circ$	$\angle POQ$, $\angle POL$, and $\angle NOQ$ are supplementary because they form a straight line.

Mr. Svarc's Magic???

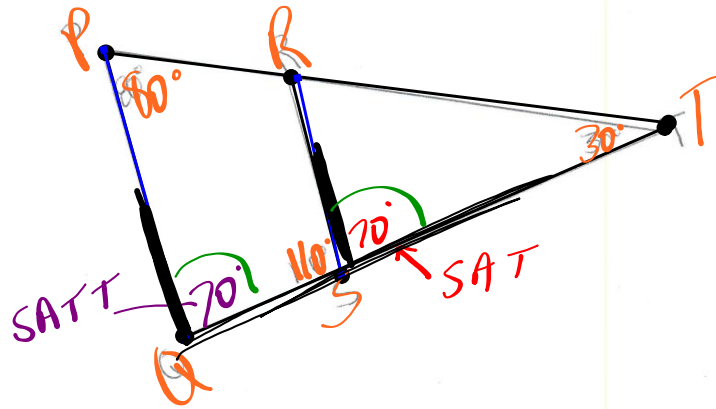
VOLUNTEER...

1. Pick a number between 50 and 99.
2. Add 82.
3. Cross out the hundreds digit and add to the units digit.
4. Subtract the answer from the original number.

READY TO BE AMAZED???

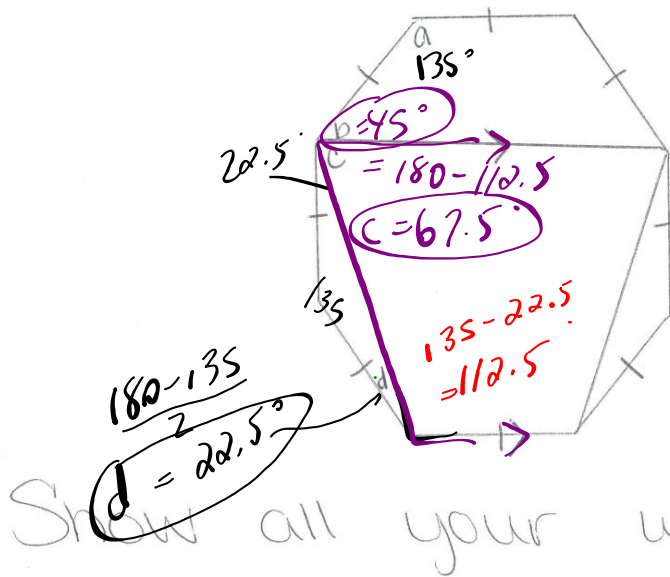
(4)

Prove $PQ \parallel RS$



Statements	Justifications
$\angle PQR = 70^\circ$	SATT
$\angle RST = 70^\circ$	SAT
$\angle PQR = \angle RST$	Transitive
$\therefore PQ \parallel RS$	CA

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



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

$$\text{angle} \Rightarrow \frac{1080}{8}$$

$$a = 135^\circ$$

Show all your work!

$a =$ $b =$ $c =$ $d =$