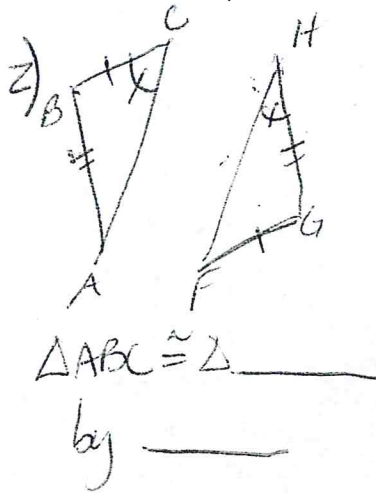
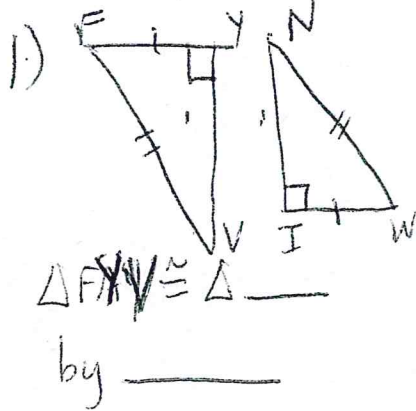


Warm up: or write "CBD"



DAY OF TEST

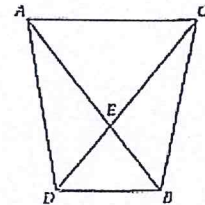
5) What is the missing statement to show that  $\triangle MEN \cong \triangle WOA$  by ASA if  $\angle M \cong \angle W$  and  $MN \cong WA$ ?

- a)  $\angle N \cong \angle A$       b)  $\angle O \cong \angle E$       c)  $\angle N \cong \angle W$       d)  $\overline{ME} \cong \overline{WO}$       e) none of these

6) If  $\triangle PIG \cong \triangle STY$ , then which one of the following statements is true? (Circle one.)

- a)  $\angle P \cong \angle S$       b)  $\triangle GIP \cong \triangle YTS$       c)  $\angle Y \cong \angle G$       d)  $\triangle IPG \cong \triangle TSY$   
e) all of the above      f) a and c      g) b and d      h) a and b      i) a, b, and c

7) In the sketch at the right,  $\overline{AD} \cong \overline{CB}$  and  $\angle ADB \cong \angle CBD$ . Which triangles need to be proved congruent and for what reason in order to show that the diagonals of the quadrilateral are congruent?



- a)  $\triangle ADB \cong \triangle CBD$  by SSS      b)  $\triangle ADB \cong \triangle CBD$  by SAS  
c)  $\triangle AED \cong \triangle CEB$  by ASA      d)  $\triangle AED \cong \triangle CEB$  by SSA

8) Which could be the lengths of the sides of a triangle? (Circle one letter.)

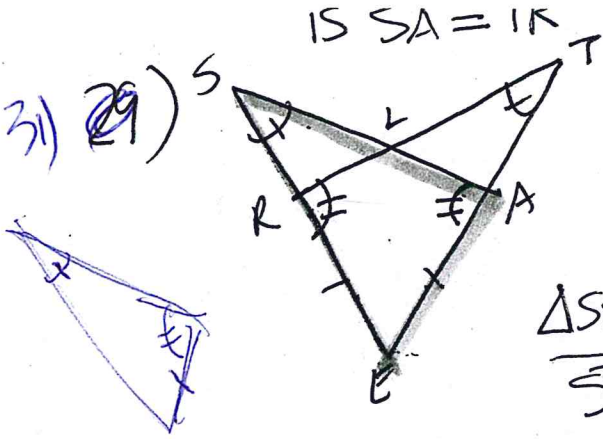
- a) 4 m, 3 m, 2 m      b) 5 cm, 10 cm, 13 cm      c) 8 ft, 8 ft, 16 ft      d) 5 in, 12 in, 6 in  
e) all of the above      f) none of the above      g) a and b      h) a, b, and c

1)  $\triangle FXY \cong \triangle VIN$   
by SSS  
(right  $\triangle$ s, you know 3<sup>rd</sup> side)

2) cannot be determined  
SSA

M.C answers:

- 5) A      6) E      7) B      8) G

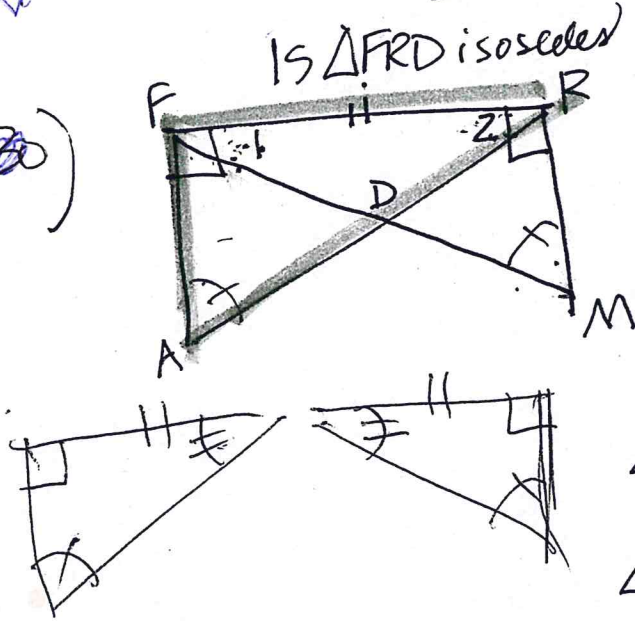


What	Why
$\overline{RE} \cong \overline{AE}$	Given
$\angle S \cong \angle T$	Given
$\angle RLE \cong \angle EAL$	Given
$\triangle SEA \cong \triangle TER$	SAA or AAS
$\overline{SA} \cong \overline{TR}$	<del>CPCTC</del> Corresponding parts are $\cong$

50

p257

32) 30)



IS  $\triangle FRD$  isosceles

What	Why
$\angle A \cong \angle M$	Given
$\overline{AF} \perp \overline{FR}$	Given
$\overline{MR} \perp \overline{FR}$	Given
$\angle AFR \cong \angle MRF = 90^\circ$	def of $\perp$
$\overline{FR} \cong \overline{FR}$	Shared Side
$\triangle AFR \cong \triangle MRF$	SAA or AAS
$\angle 1 \cong \angle 2$	CPCTC
$\triangle FRD$ is isoc.	ISOS <del>converse</del> converse

p 224: 20

$a = 90^\circ$

$b = 68^\circ$

$c = 112^\circ$

$d = 112^\circ$

$e = 68^\circ$

$f = 56^\circ$

$g = 124^\circ$

$h = 124^\circ$

More review answers  
Others posted on  
last blog post.