1) $m\angle ABC = 80°$ $m\angle BCA = 50°$, what is $m\angle CAB$?
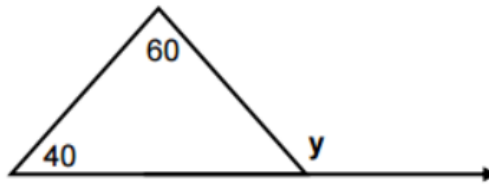
80
+50
130

180
-130
50

2) The sum of the interior angles of a triangle is ___180___.
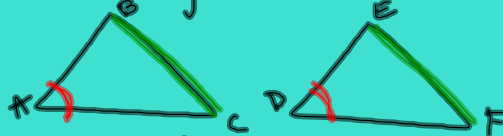
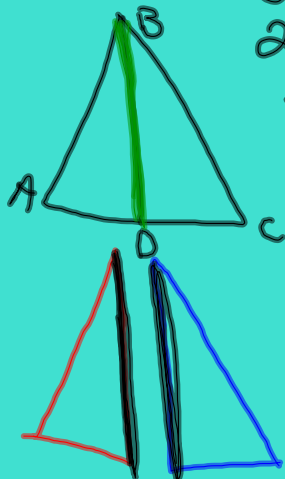3) Solve for y.

100

60

40

y
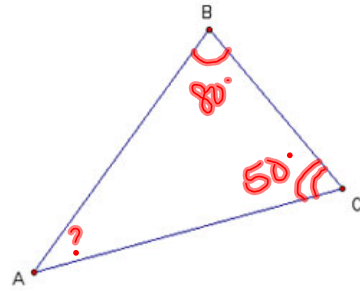
Sep 28-7:49 AM

WWK:

CPCTC- Corresponding parts of congruent triangles are congruent.

shared side- side that is part of 2 triangles at the same time. shared sides correspond to themselves and are congruent to themselv
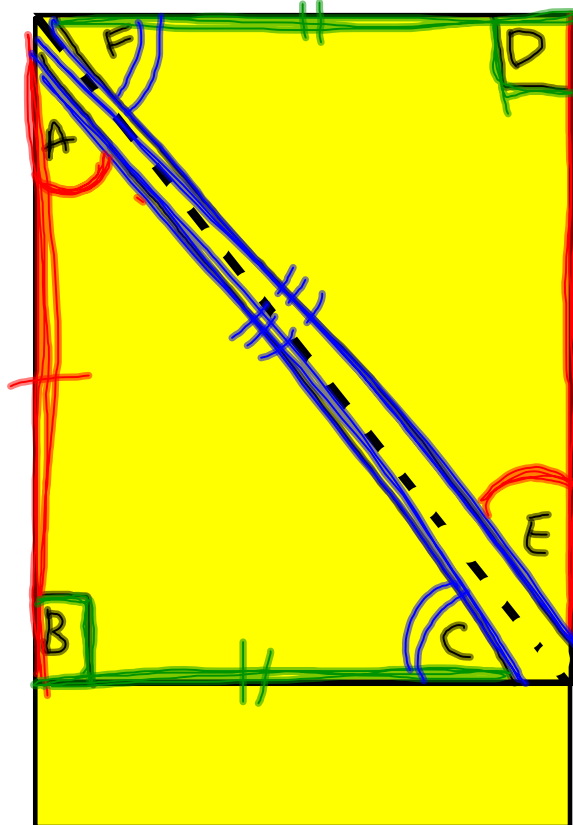
Sep 28-7:59 AM

1

CPCTC   40

Corresponding **P**arts of **C**ongruent **T**riangles are **C**ongruent

Need to Know

CPCTc

Sep 28-8:00 AM

$$\overline{AB} \cong \overline{DE}$$
$$\overline{BC} \cong \overline{DF}$$
$$\overline{AC} \cong \overline{FE}$$

$$\angle A \cong \angle E$$
$$\angle B \cong \angle D$$
$$\angle C \cong \angle F$$

$$\triangle ABC \cong \triangle EDF$$

Sep 28-8:14 AM

Need to Know

★ Order of the letters matters!!!

$$\triangle UST \cong \triangle YXZ$$

★ Shared sides are corresponding and congruent

$\angle O \cong \angle M$
$\angle N \cong \angle P$
$\angle P \cong \angle N$

$\overline{MN} \cong \overline{OP}$
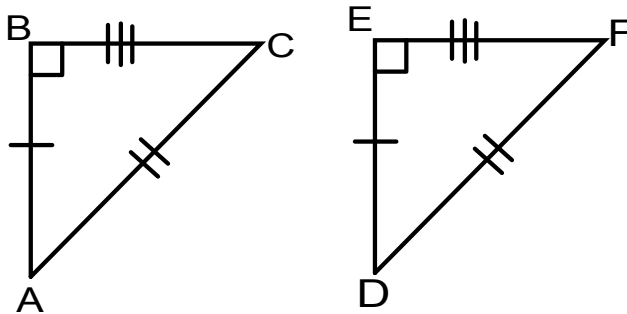$\overline{MP} \cong \overline{NO}$
$\overline{NP} \cong \overline{NP}$

$$\triangle NMP \cong \triangle PON$$

Sep 28-8:17 AM

Welcome!! Please grab your ISN and have a seat! This will be done IN YOUR ISN today!!!!!!!! NO CHROMEBOOK!!!!!

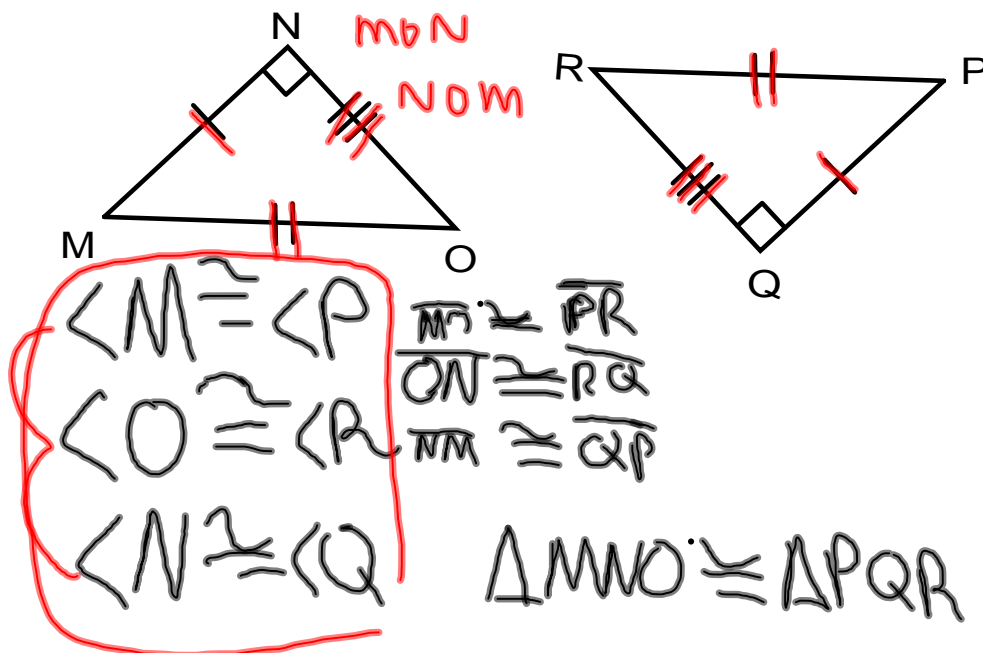Ex 1 (pg 39)   Name all 6 corresponding parts.

$$\triangle CAB \cong \triangle FDE$$

$\angle B \cong \angle E$
$\angle C \cong \angle F$
$\angle A \cong \angle D$
$BC \cong EF$
$AC \cong DF$
$AB \cong ED$

Sep 28-8:18 AM

Ex 2 (pg 41)   Write the triangle congruence statement.

N   m∠N
     NOM

R   P

M   O

Q

∠M ≅ ∠P   MN ≅ PR
∠O ≅ ∠R   ON ≅ RQ
∠N ≅ ∠Q   NM ≅ QP

△MNO ≅ △PQR

Ex 3 (pg 41)   Mark the corresponding parts for △ABC ≅ △XYZ

B   C   Z   Y

A   X

∠A ≅ ∠X
∠B ≅ ∠Y
∠C ≅ ∠Z

AB ≅ XY
BC ≅ YZ
CA ≅ ZX
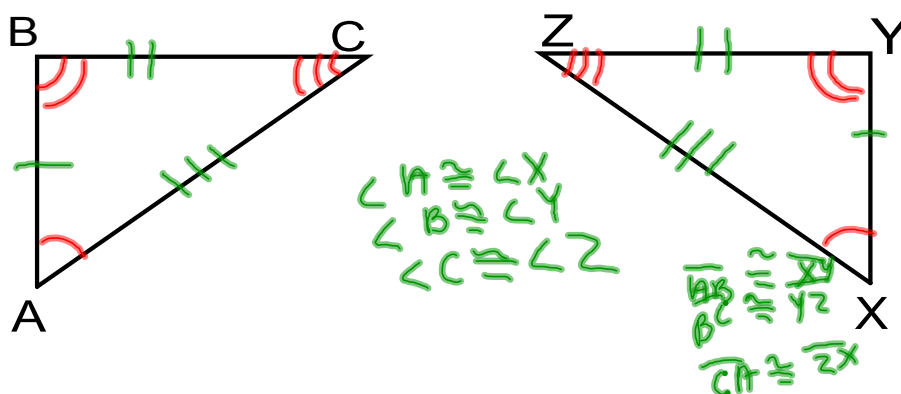
Homework

#1: △HEY is congruent to △MAN.
  What parts of the triangles are congruent **by CPCTC?**

_____ ≅ _____

_____ ≅ _____

_____ ≅ _____

_____ ≅ _____

_____ ≅ _____

_____ ≅ _____
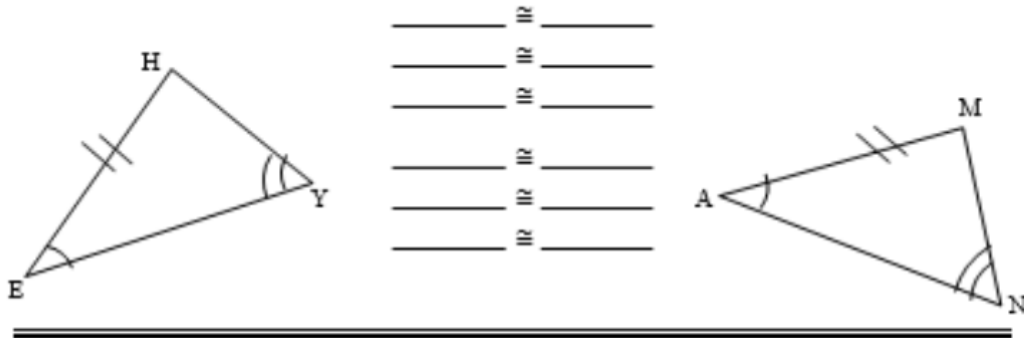
#2: △CAT ≅ _____

_____ ≅ _____

_____ ≅ _____

_____ ≅ _____

_____ ≅ _____

_____ ≅ _____

_____ ≅ _____

Sep 28-8:26 AM

Oct 17-8:17 AM