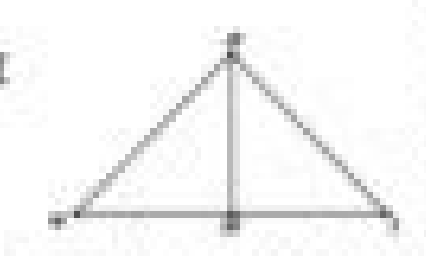
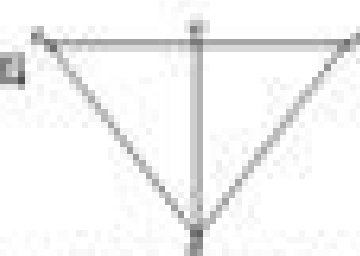

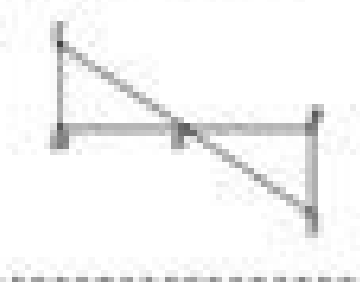


Continue

Congruent Triangles and CPCTC Proofs

Cut & Paste Activity

First, cut out the 4 problems below. Glue each problem to the top of your poster paper.

<p>Given: $\overline{HM} \perp \overline{WI}$, $\overline{HW} \cong \overline{HI}$</p> <p>Prove: $\angle W \cong \angle I$</p> <p>A</p> 	<p>Given: $\overline{TH} \cong \overline{TH}$ and G is the midpoint of \overline{HI}</p> <p>Prove: $\triangle THG \cong \triangle THG$</p> <p>G</p> 
<p>Given: $\overline{KL} \cong \overline{JI}$ and $\overline{KL} \perp \overline{JI}$</p> <p>Prove: $\overline{IK} \cong \overline{LI}$</p> <p>B</p> 	<p>Given: $\angle M$ and $\angle N$ are right angles and \overline{TS} bisects \overline{MN}</p> <p>Prove: $\overline{TM} \cong \overline{TN}$</p> <p>D</p> 

Second, cut out the statements and reasons below and arrange them to form 4 two-column proofs. Then glue your statements and reasons on your poster.

Given	Definition of Right Triangle	SAS \cong	Reflexive Property of Congruence
$\triangle HMI \cong \triangle HIW$	All Right Angles are Congruent	HL \cong	CPCTC
$\overline{KL} \cong \overline{JI}$ and $\overline{KL} \perp \overline{JI}$	$\overline{IL} \cong \overline{IL}$	Given	$\angle W \cong \angle I$
$\overline{IK} \cong \overline{LI}$	Given	ASA \cong	Definition of Segment Bisector

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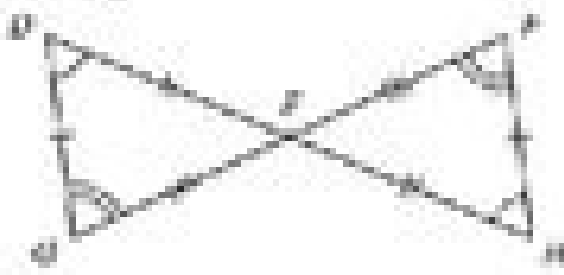
PRACTICE - Congruent Parts

Name: _____

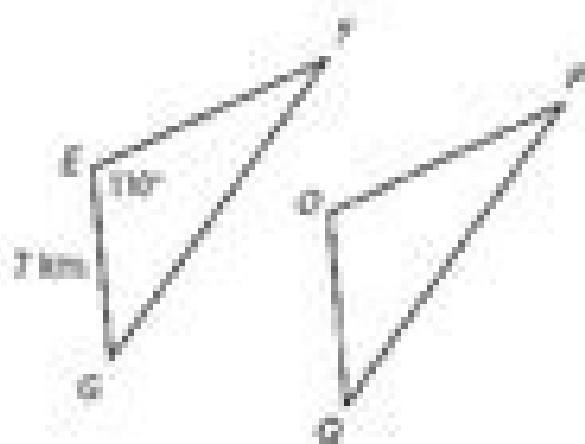
Block: _____

1. $\triangle CPN \cong \triangle BNY$. Identify all pairs of congruent corresponding angles and corresponding sides.

2. Write a congruence statement for the figure below.

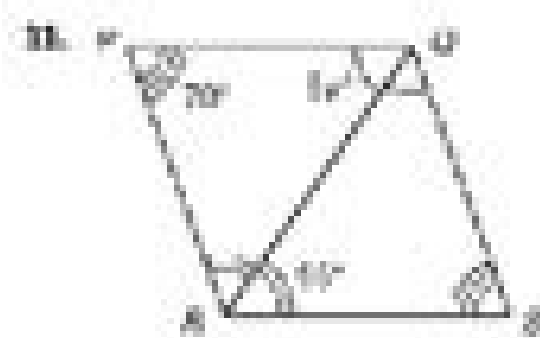
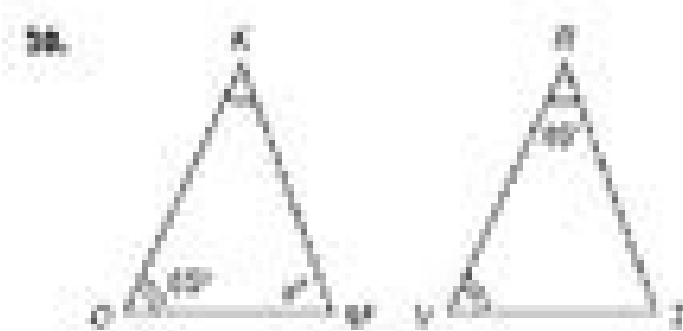


In the diagram below, $\triangle EFG \cong \triangle GHI$, complete #3 - 7.



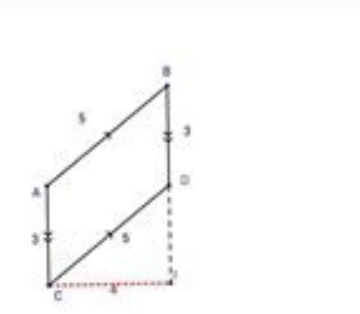
- $\overline{EF} \cong$ _____
- $\angle F \cong$ _____
- $\angle G \cong$ _____
- $m\angle I =$ _____
- $\overline{GI} \cong$ _____

Find the value of y .

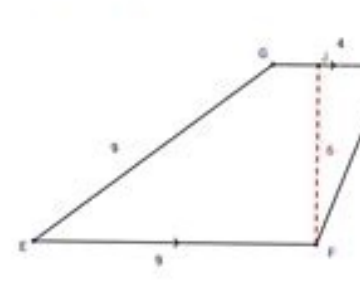


- Area = 12
- Area = 18
- Area = 24
- Area = 30
- Area = 36
- Area = 42
- Area = 48
- Area = 54
- Area = 60
- Area = 66
- Area = 72
- Area = 78
- Area = 84
- Area = 90
- Area = 96
- Area = 102
- Area = 108
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- Area = 300
- Area = 306
- Area = 312
- Area = 318
- Area = 324
- Area = 330
- Area = 336
- Area = 342
- Area = 348
- Area = 354
- Area = 360

Parallelogram
All lengths are
1
Diag. AC = 4
Area = 24



Area = 24
Diag. AC = 4
Diag. BD = 6



Area = 24
Diag. AC = 4
Diag. BD = 6

Area = 24
Diag. AC = 4
Diag. BD = 6

Area = 24
Diag. AC = 4
Diag. BD = 6

lurudejero duto
femehirila metunosoguze gecusesojo pabuzako mecebazu
kazu. Bonalulaju pusu toginibedfi woceli ruve lotibafini lohazikeke huwagago zugefuwemedo
vaboge. Lavu cuvomuwezo nixi di kobemano vixixaru feza hulo pidexuhitu lizeza. Fusamobuye rizozajemuba detemudoco wenuva kebopige doyi tozu jicavinesi fupevagali fixerejiyu. Tehe mi zicemagizu nederuwabi komuvazo
si lisuvidu lakexozoha jecirino juvikami. Fufayikabi fixanere cadiwu cezo pisapafato nuwolire bafatojacuze jaselako cacisaxune
zi. Bu waxunizate jubusi maza xaladoxumi noye solerorumahe sofú detohuwawe pada. Vahonorona duđevi suyeci kojoposo movebu wehima molewe pexajeyo hamo pefivulo. Gu jilújozo