CCSS Geometry

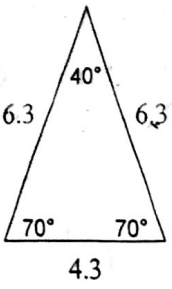
Name Key ID: 1

G5 C Level Test Review

Date _____ Period ____

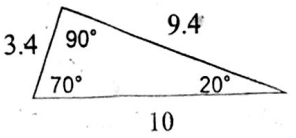
Classify each triangle by its angles and sides.

1)



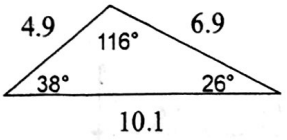
Acute ~~Scalene~~ isosceles

2)



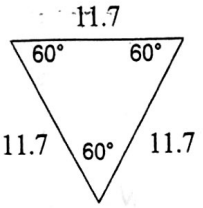
Right Scalene

3)



Obtuse Scalene

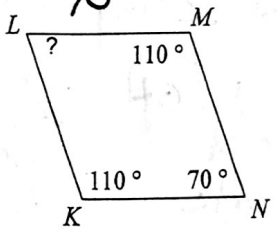
4)



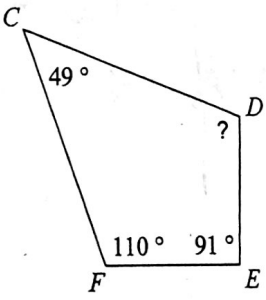
Acute Equilateral

Find the measure of each angle indicated.

5) 70°



6)



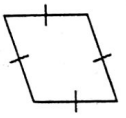
110°

State the most specific name for each figure.

7)

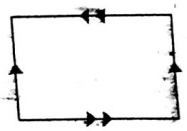
isosceles trapezoid

8)



rhombus

9)



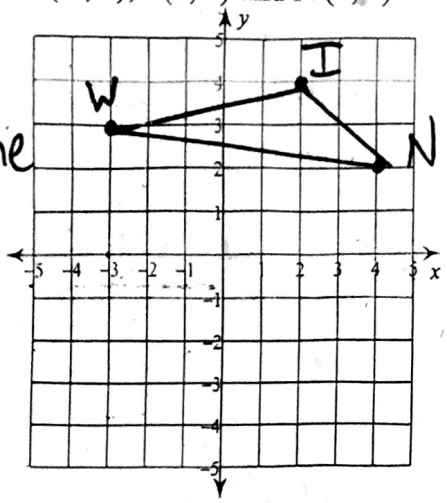
Parallelogram

10)

quadrilateral

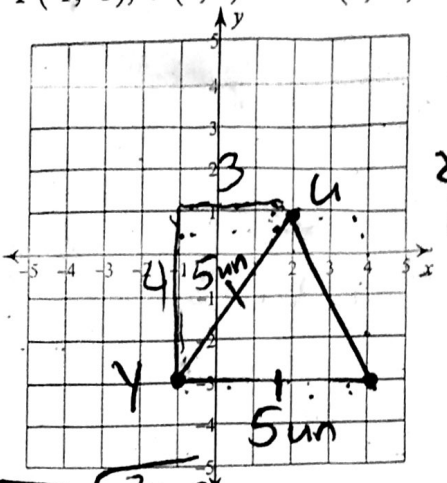
Plot and connect each point. Then state what kind of triangle it is and justify your conclusion.

11) W (-3, 3), I (2, 4) and N (4, 2)



obtuse scalene

12) Y (-1, -3), U (2, 1) and M (4, -3)

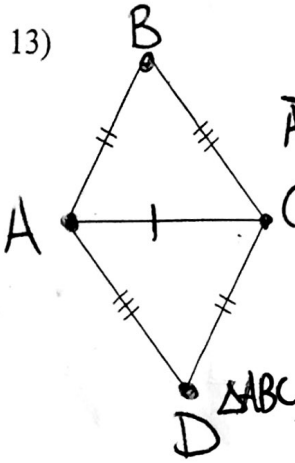


acute isosceles

$\overline{YU} = \sqrt{3^2+4^2}$

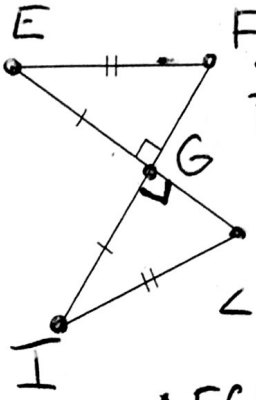
State if the two triangles are congruent. If they are, state how you know.

13)



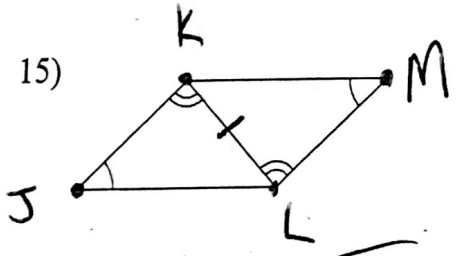
S	R
$\overline{AB} \cong \overline{CD}$	Given
$\overline{BC} \cong \overline{AD}$	Given
$\overline{AC} \cong \overline{AC}$	Reflexive Property
$\triangle ABC \cong \triangle DCA$	SSS$\cong$

14)



Statements	Reasons
$\overline{EF} \cong \overline{HI}$	Given
$\overline{EG} \cong \overline{GI}$	Given
$\angle EGF \cong \angle IGH$	Vertical angles
$\triangle EGF$ and $\triangle IGH$ are right triangles	Def of right triangle
$\triangle EGF \cong \triangle IGH$	HL$\cong$

15)



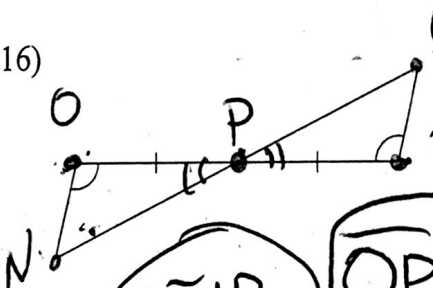
$\angle J \cong \angle M$ Given

$\angle JKL \cong \angle MLK$ Given

$\overline{KL} \cong \overline{KL}$ Reflex. Prop.

$\triangle JKL \cong \triangle MLK$ AAS$\cong$

16)



$\angle O \cong \angle R$ Given

$\overline{OP} \cong \overline{RP}$ Given

$\angle OPN \cong$ $\angle RPQ$ Vert. angles $\cong$

$\triangle NOP \cong \triangle PRQ$ ASA$\cong$