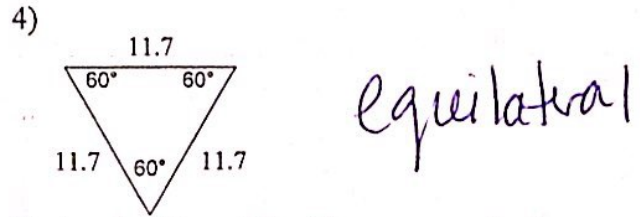
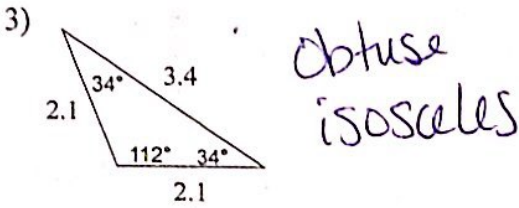
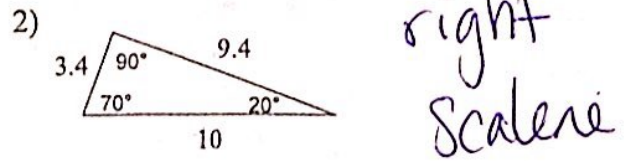
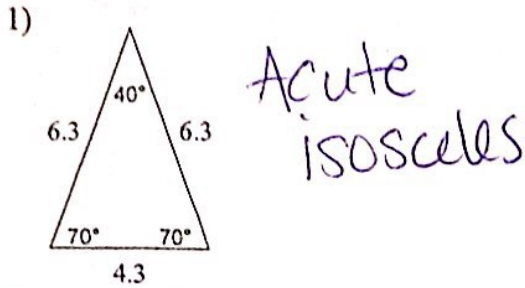


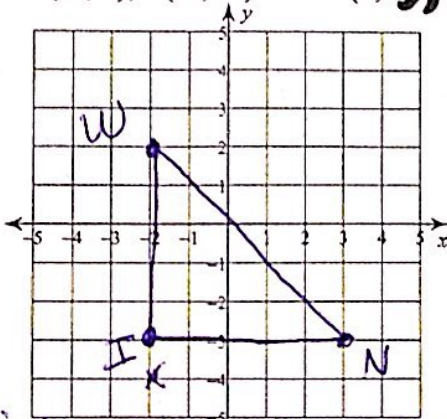
G5 C Level Test Review

Classify each triangle by its angles and sides.



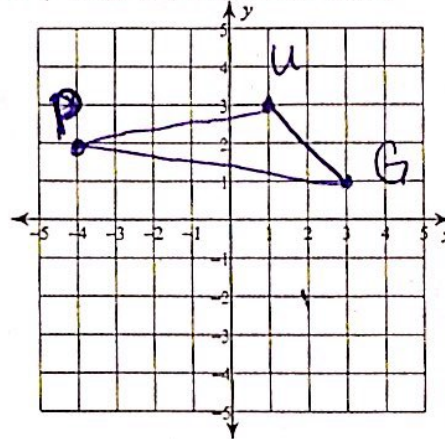
Plot and connect each point. Then state what kind of triangle it is and justify your conclusion.

5) W (-2, 2), I (-2, -3) and N (3, -3)

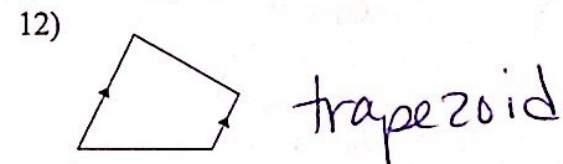
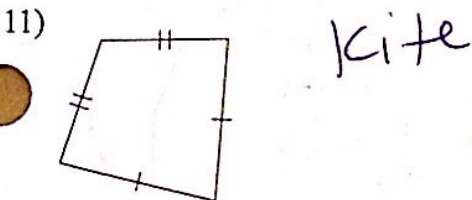
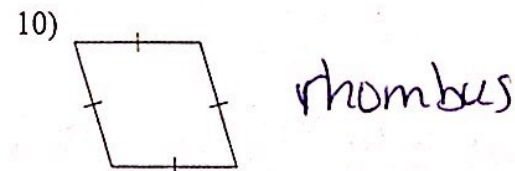
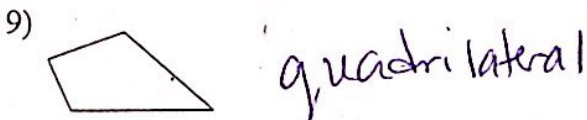
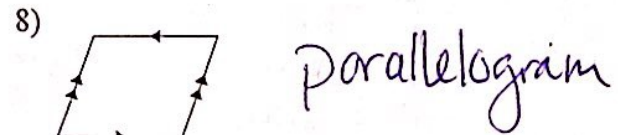
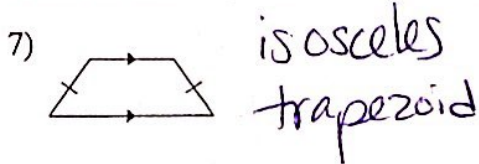


right isosceles because $\angle I$ is 90° & $\overline{WI} \cong \overline{IN}$
State the most specific name for each figure.

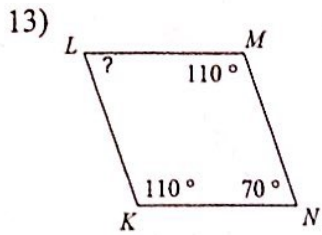
6) P (-4, 2), U (1, 3) and G (3, 1)



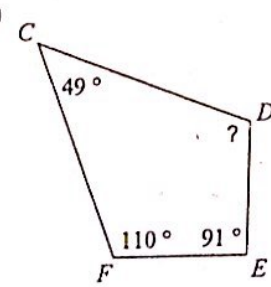
obtuse scalene because $\angle U$ is bigger than 90° and all side lengths are different



Find the measure of each angle indicated.



$$\begin{aligned} ? + 110 + 110 + 70 &= 360 \\ ? + 290 &= 360 \\ -290 & \quad -290 \\ \hline ? &= 70^\circ \end{aligned}$$



$$\begin{aligned} ? + 49 + 110 + 91 &= 360 \\ ? + 250 &= 360 \\ -250 & \quad -250 \\ \hline ? &= 110^\circ \end{aligned}$$

Make a flow chart or two-column proof to prove the triangles are congruent.

15)

S	R
$\overline{AB} \cong \overline{CD}$	Given
$\overline{BC} \cong \overline{AD}$	Given
$\overline{BD} \cong \overline{DB}$	Reflexive Prop
$\triangle ABD \cong \triangle CDB$	SSS \cong

Flowchart:
 $\overline{AB} \cong \overline{CD}$ (Given)
 $\overline{BC} \cong \overline{AD}$ (Given)
 $\overline{BD} \cong \overline{DB}$ (Reflexive Prop)
 $\triangle ABD \cong \triangle CDB$ (SSS \cong)

16)

S	R
$\angle E \cong \angle H$	Given
$\angle EGF \cong \angle FGH$	Right \angle s are \cong
$\overline{GF} \cong \overline{FG}$	Reflexive Prop
$\triangle EFG \cong \triangle HFG$	AAS \cong

Flowchart:
 $\angle E \cong \angle H$ (Given)
 $\angle EGF \cong \angle FGH$ (Right \angle s are \cong)
 $\overline{GF} \cong \overline{FG}$ (Reflexive Prop)
 $\triangle EFG \cong \triangle HFG$ (AAS \cong)

17)

S	R
$\angle J \cong \angle M$	Given
$\overline{JK} \cong \overline{KM}$	Given
$\angle IKJ \cong \angle LKM$	Vertical angles
$\triangle MLK \cong \triangle JIK$	ASA \cong

Flowchart:
 $\angle J \cong \angle M$ (Given)
 $\overline{JK} \cong \overline{KM}$ (Given)
 $\angle IKJ \cong \angle LKM$ (Vertical \angle s)
 $\triangle MLK \cong \triangle JIK$ (ASA \cong)

18)

S	R
$\overline{OR} \cong \overline{RQ}$	Given
$\overline{NR} \cong \overline{RP}$	Given
$\angle ORP \cong \angle NRQ$	Vertical angles
$\triangle ORP \cong \triangle QRN$	SAS \cong

Flowchart:
 $\overline{OR} \cong \overline{RQ}$ (Given)
 $\overline{NR} \cong \overline{RP}$ (Given)
 $\angle ORP \cong \angle NRQ$ (Vertical angles)
 $\triangle ORP \cong \triangle QRN$ (SAS \cong)