

Benchmark Review

Draw an angle to fit each description.

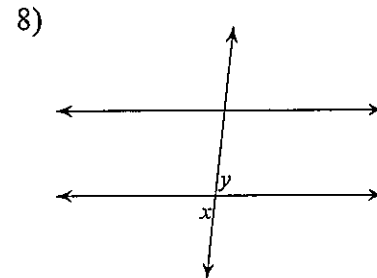
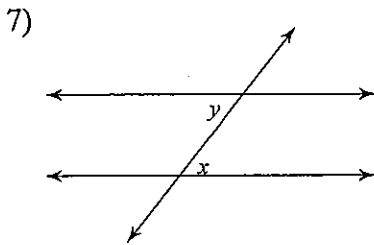
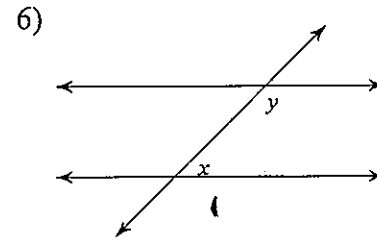
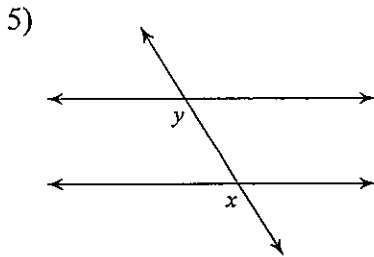
1) a straight angle, $\angle FGH$

2) an acute angle, $\angle 6$

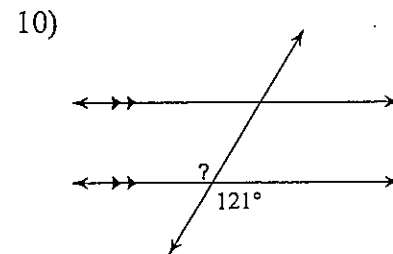
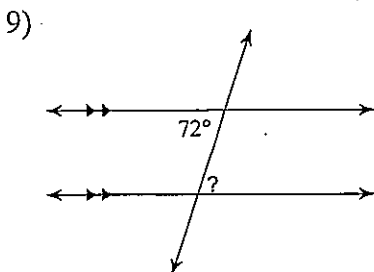
3) an obtuse angle, $\angle 2$

4) a right angle, $\angle UTS$

Identify each pair of angles as corresponding, alternate interior, same-side interior, or vertical.

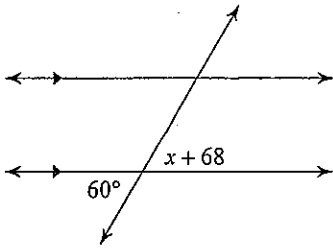


Find the measure of each angle indicated.

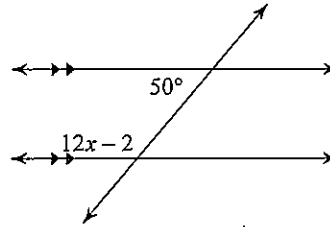


Solve for x .

11)

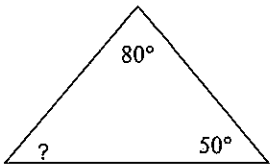


12)

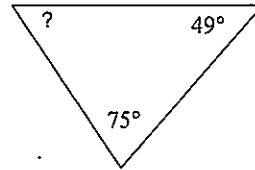


Find the measure of each angle indicated.

13)

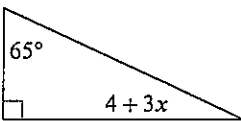


14)

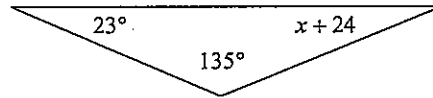


Solve for x .

15)

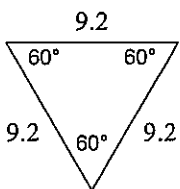


16)

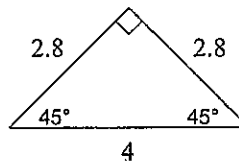


Classify each triangle by its sides. (isosceles, scalene, equilateral)

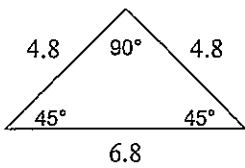
17)



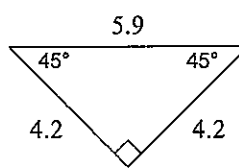
18)



19)

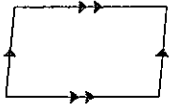


20)

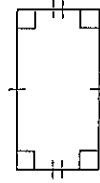


State the most specific name for each figure.

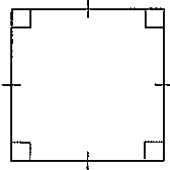
21)



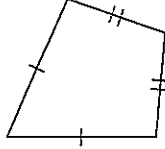
22)



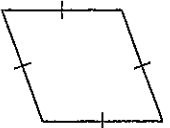
23)



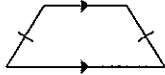
24)



25)

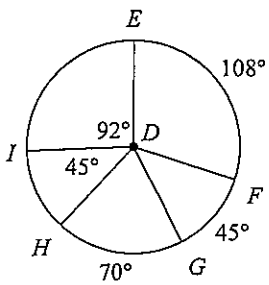


26)

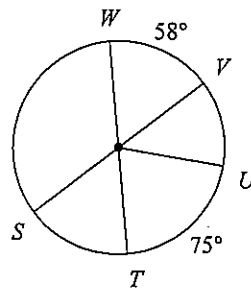


Find the measure of the arc or central angle indicated. Assume that lines which appear to be diameters are actual diameters.

27) $m\angle EDG$

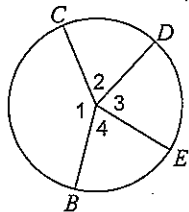


28) $m\widehat{SWU}$

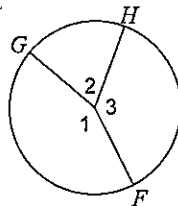


If an angle is given, name the arc it makes. If an arc is given, name its central angle.

29) \widehat{BC}

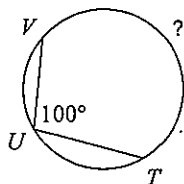


30) $\angle 2$

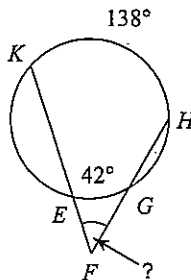


Find the measure of the arc or angle indicated. Assume that lines which appear tangent are tangent.

31)

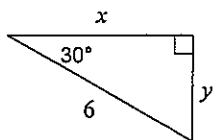


32)

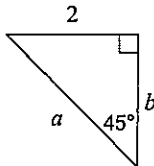


Find the missing side lengths. Leave your answers as radicals in simplest form.

33)

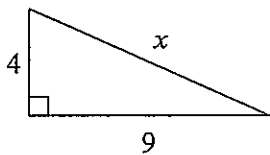


34)

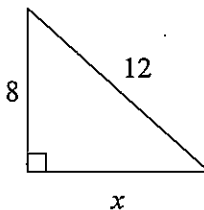


Find the missing side of each triangle. Leave your answers in simplest radical form.

35)



36)



Simplify.

37) $\sqrt{100}$

38) $\sqrt{8}$