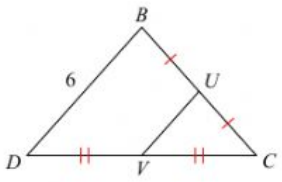
Geometry Name_____

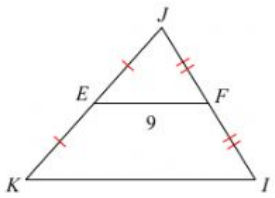
Final Exam Review 2021

Find the missing length indicated.

1) Find *UV*

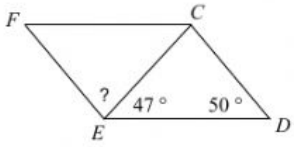


2) Find *KI*

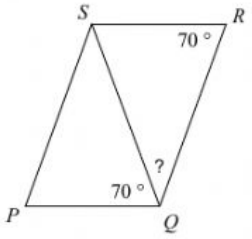


Find the measurement indicated in each parallelogram.

3)

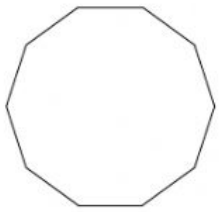


4)

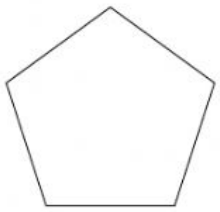


Find the measure of one interior angle in each regular polygon. Round your answer to the nearest hundredth if necessary.

5)

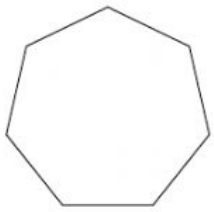


6)

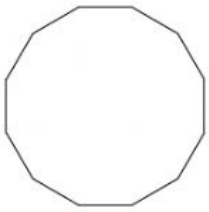


Find the measure of one exterior angle in each regular polygon. Round your answer to the nearest hundredth if necessary.

7)

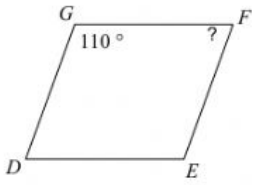


8)

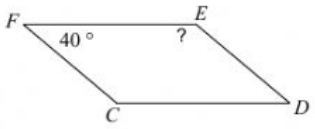


Find the measurement indicated in each parallelogram.

9)

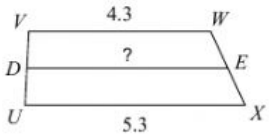


10)



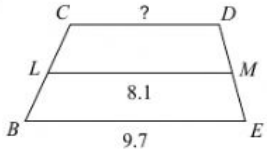
Find the length of the midsegment of each trapezoid.

11)



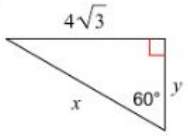
Find the length of the base indicated for each trapezoid.

12)

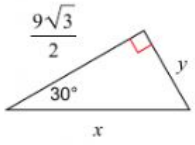


Find the missing side lengths. Leave your answers as radicals in simplest form.

13)

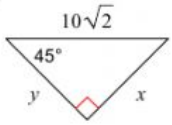


14)

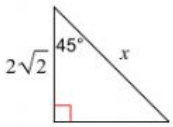


= ___

15)



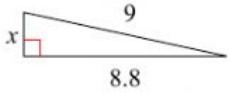
16)



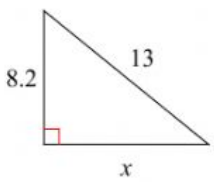
y = __√__

Find the missing side of each triangle. Round your answers to the nearest hundredth, if necessary.

17)



18)



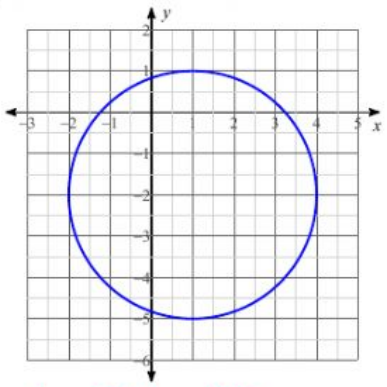
Find the distance between each pair of points. Round your answer to the nearest hundredth, if necessary.

19) $(-8, -6), (5, -8)$

20) $(-6, 0), (3, 1)$

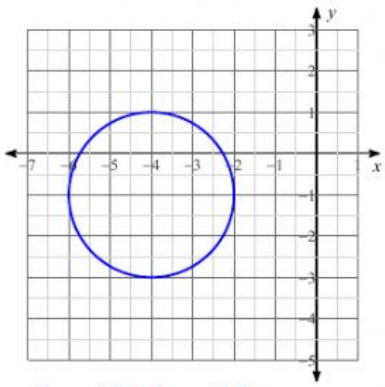
Use the information provided to write the equation of each circle.

21)



(_____)^2 + (_____)^2 = _____

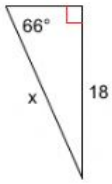
22)



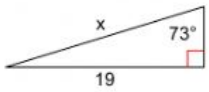
(_____)^2 + (_____)^2 = _____

Find the missing side. Round to the nearest hundredth.

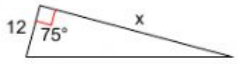
23)



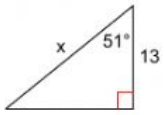
24)



25)

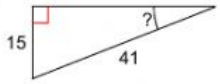


26)

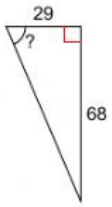


Find the measure of the indicated angle to the nearest hundredth.

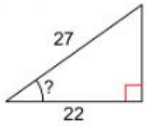
27)



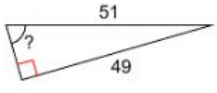
28)



29)

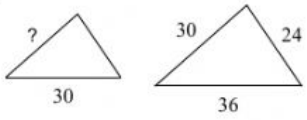


30)

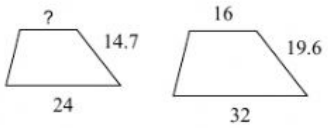


The polygons in each pair are similar. Find the missing side length.

31)

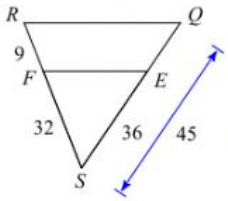


32)



State if the triangles in each pair are similar. If so, state which similarity shortcut (AA~, SSS~, or SAS~) is used and complete the similarity statement.

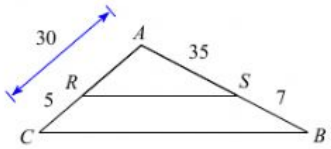
33)



Shortcut _____~

$\triangle SRQ \sim$ _____

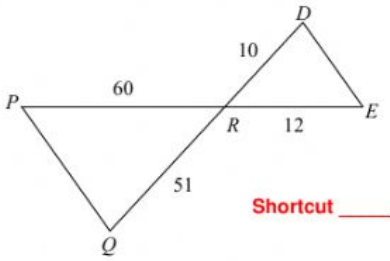
34)



Shortcut _____~

$\triangle ABC \sim$ _____

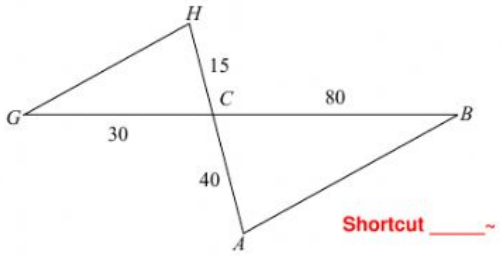
35)



Shortcut _____~

$\triangle RQP \sim$ _____

36)

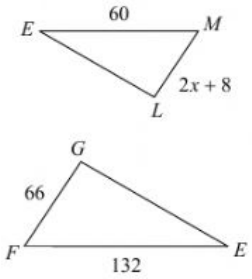


Shortcut _____~

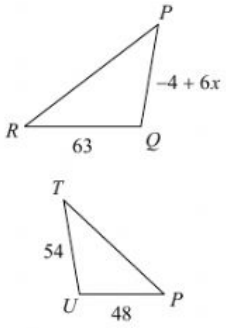
$\triangle CBA \sim$ _____

Solve for *x*. The triangles in each pair are similar.

37) $\triangle EFG \sim \triangle EML$

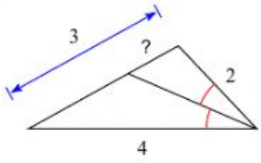


38) $\triangle PQR \sim \triangle PUT$

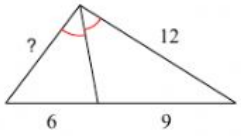


Find the missing length indicated.

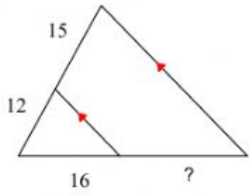
39)



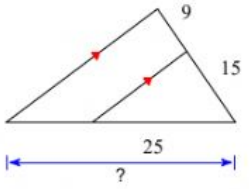
40)



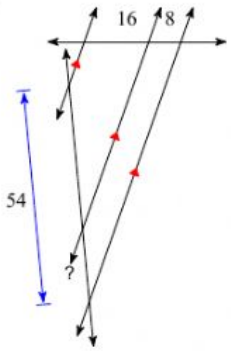
41)



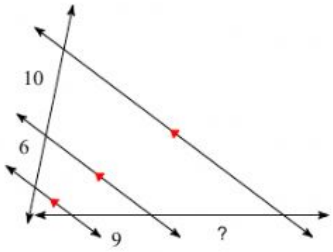
42)



43)

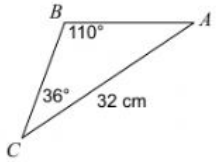


44)

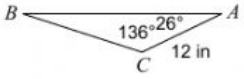


Find each measurement indicated. Round your answers to the nearest hundredth.

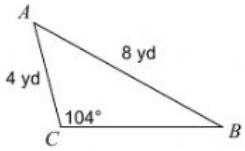
45) Find AB



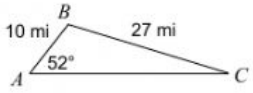
46) Find BC



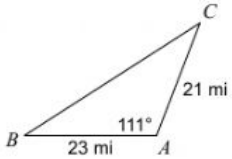
47) Find $m\angle B$



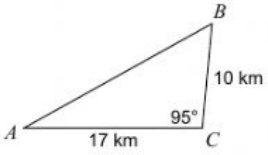
48) Find $m\angle C$



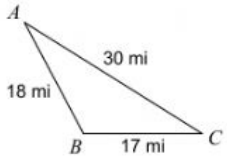
49) Find BC



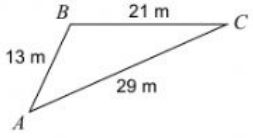
50) Find AB



51) Find $m\angle B$

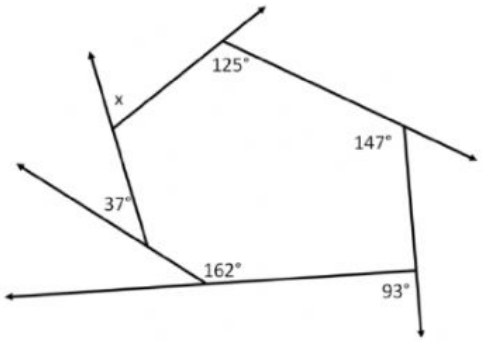


52) Find $m\angle A$

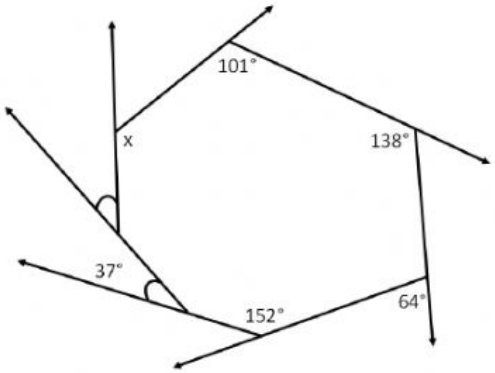


Find the value of x in the problems below.

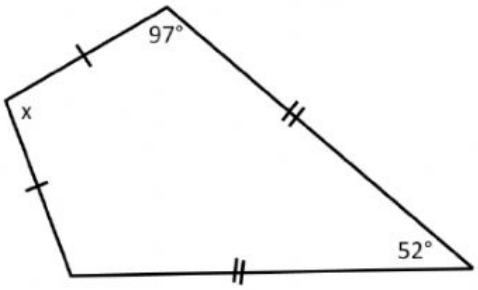
53)



54)



55)



56) **The perimeter of the kite below is 48.**