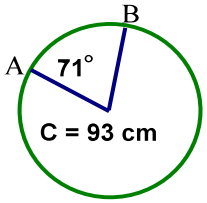
Geometry Review 2.2

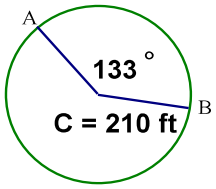
Algebra 2

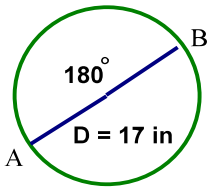
Find the missing measures. Give circumference and area in terms of pi and to the nearest tenth.

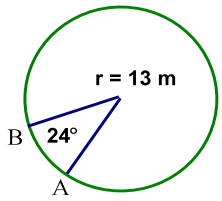
1) Circle	2) Circle	3) Circle	4) Circle
radius = 18 in	r =	r =	r =
diameter =	d =	d =	d =
Circum. = =	C = 45π mm =	C = 95 m	C = =
Area = =	A = =	A = =	A = 156 ft^2

Find the length of minor arc AB using a proportion.

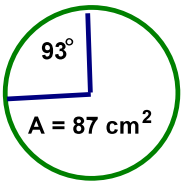
5) 

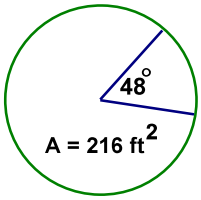
6) 

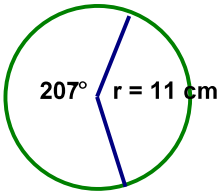
7) 

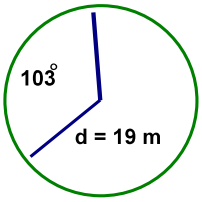
8) 

Find the area of the sector using a proportion.

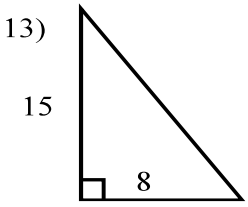
9) 

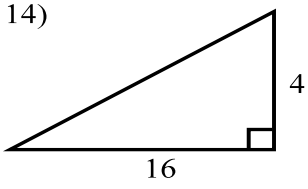
10) 

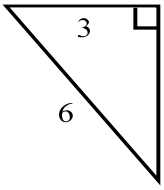
11) 

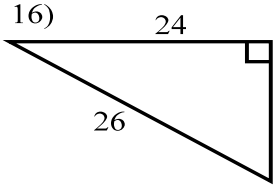
12) 

Find the length of the missing side.

13) 

14) 

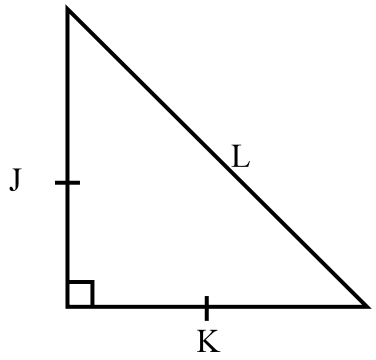
15) 

16) 

Given the length of one side of the 45-45-90 triangle at the right find the other two sides to the nearest tenth..

17) J = 15

18) K = 14



19) K = 6

20) L = $20\sqrt{2}$

21) L = $11\sqrt{2}$

22) J = $3\sqrt{2}$

23) L = 18

24) J = 17

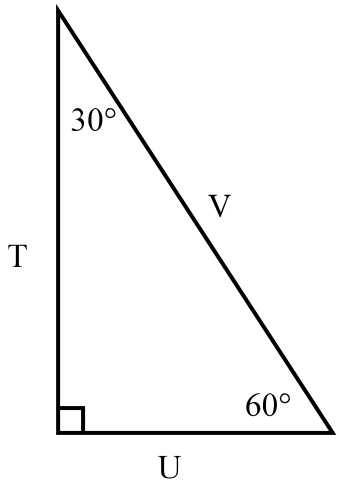
25) K = $10\sqrt{2}$

26) L = 8

Given the length of one side of the 30-60-90 triangle at the right find the other sides to the nearest tenth.

27) U = 5

28) U = 15



29) V = 16

30) T = $12\sqrt{3}$

31) U = 9

32) V = 32

33) T = $7\sqrt{3}$

34) U = $2\sqrt{3}$

35) U = $13\sqrt{3}$

36) T = 17