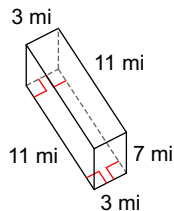
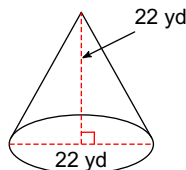
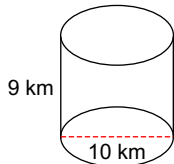
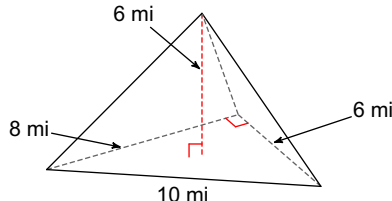
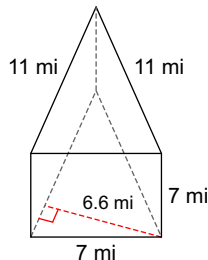
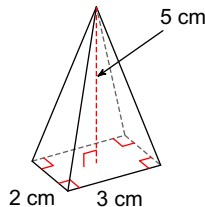
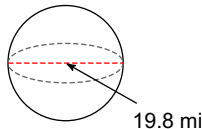
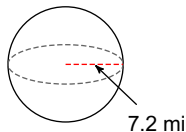
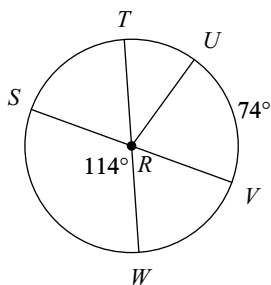
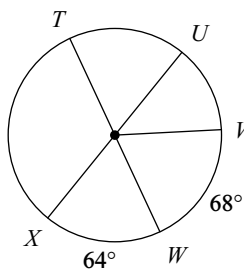


TSTU3 Volume & Circles Remediation

Date _____ Period _____

Find the volume of each figure. Round to the nearest whole number. Use 3.14 for π .1) 231 mi^3 2) 2787.64 yd^3 3) 706.86 km^3 4) 48 mi^3 5) 254.1 mi^3 6) 10 cm^3 7) 4064.38 mi^3 Find the surface area of each figure. Round to the nearest whole number. Use 3.14 for π .8) 651.44 mi^2 

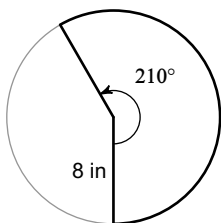
Find the measure of the arc or central angle indicated. Assume that lines which appear to be diameters are actual diameters.

9) $m\angle TRU$ 40° 10) $m\widehat{UWT}$ 296° 

Find the area of each sector. Round your answers to the nearest tenth.

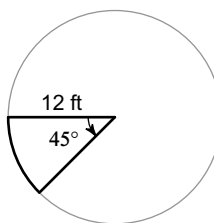
11)

117.3 in²



12)

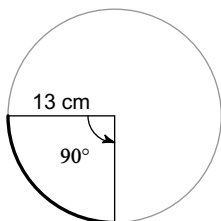
56.5 ft²



Find the length of each arc. Leave your answers in π .

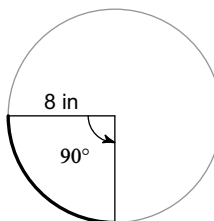
13)

$\frac{13\pi}{2}$ cm



14)

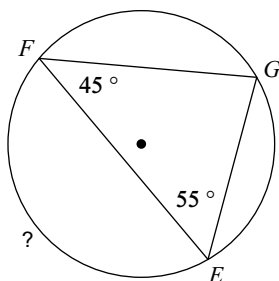
4π in



Find the degree measure of the arc or angle indicated.

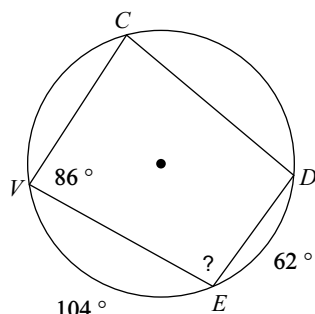
15)

160°



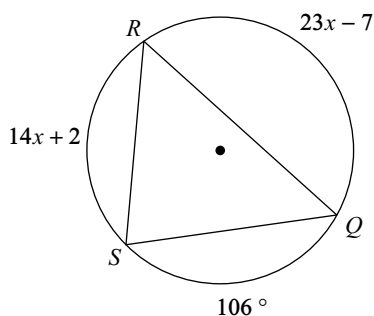
16)

97°



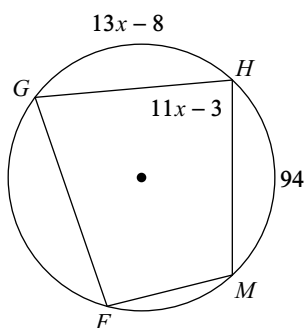
17) Find $m\angle QSR$

77°



18) Find $m\widehat{GH}$

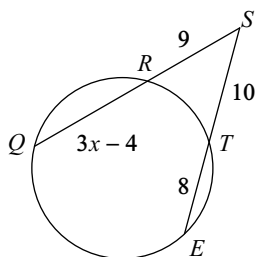
96°



Find the measure of the line segment indicated. Assume that lines which appear tangent are tangent.

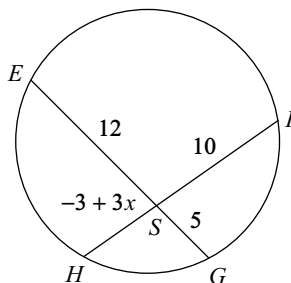
19) Find QR

11

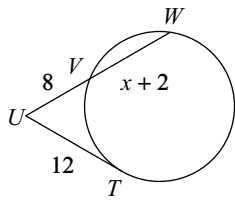


20) Find FH

16



21) Find VW 10



22) Find UW 25

