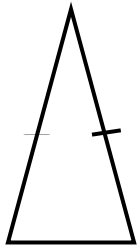
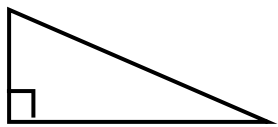
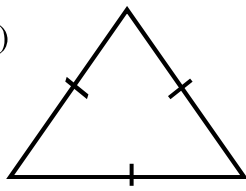
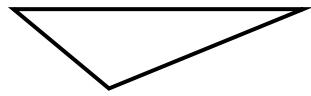
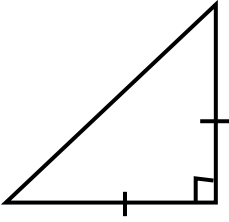
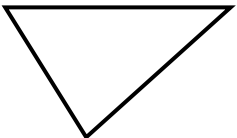
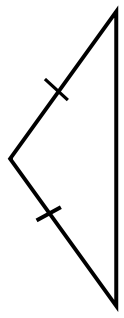
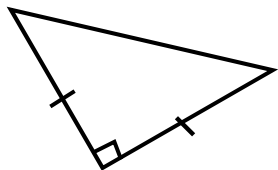


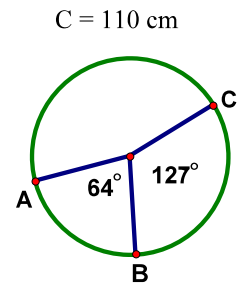
Geometry Development 6.1

Identify each triangle completely. (By sides and angles.)

- 1) 
- 2) 
- 3) 
- 4) 
- 5) 
- 6) 
- 7) 
- 8) 

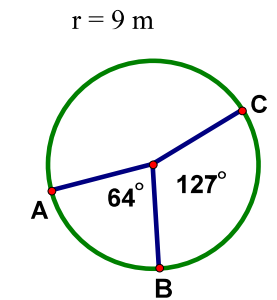
Find the length of each arc.

- 9)  $\widehat{AB}$       10)  $\widehat{AC}$       11)  $\widehat{ABC}$       12)  $\widehat{BAC}$


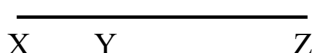
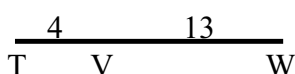
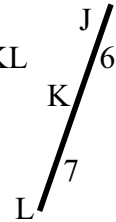


Find the area of the sector defined by the given arc.

- 13)  $\widehat{AB}$       14)  $\widehat{AC}$       15)  $\widehat{ABC}$       16)  $\widehat{BAC}$



Find the probability that a fly lands on each segment given below.

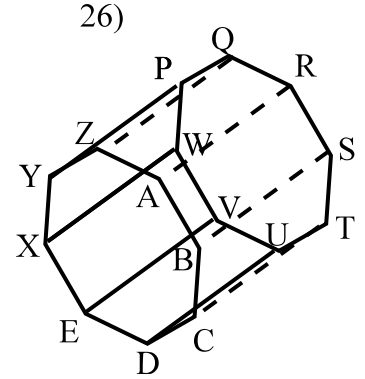
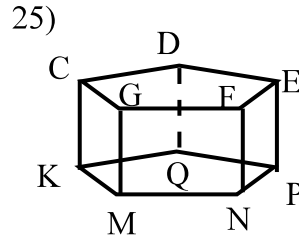
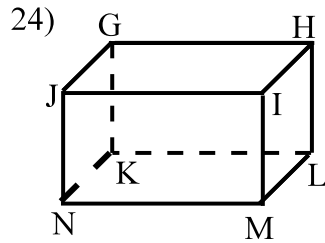
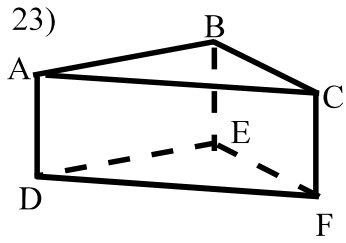
- 17)  $\overline{FG}$       18)  $\overline{XY}$       19)  $\overline{VW}$       20)  $\overline{KL}$
- 
- 
- 
- 

21) A mascot runs diagonally across a basketball court from one corner to the opposite corner. The court is 84 feet long and 50 feet wide. What is the distance the mascot travels between the corners?

22) A 15 foot ladder leans against the wall of a building. The foot of the ladder is positioned 9 feet from the wall. How far up the wall does the ladder touch the building?

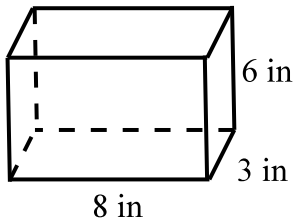
List the vertices, edges, and faces of each polyhedron.

Classify each prism. Give the bases.

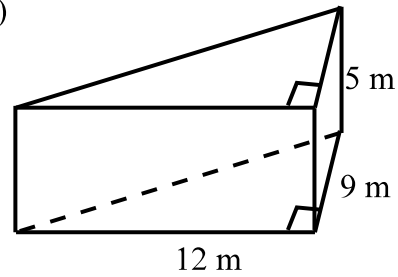


Give the base area and height of each prism below, then find its' surface area and volume.

27)

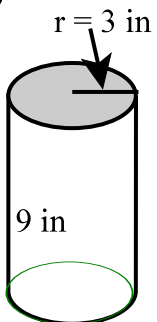


28)

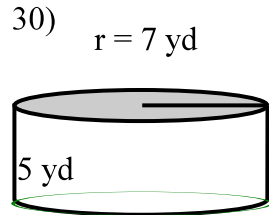


Give the surface area and volume of each figure below.

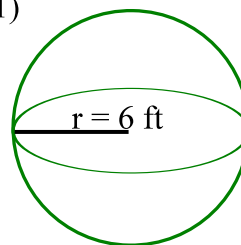
29)



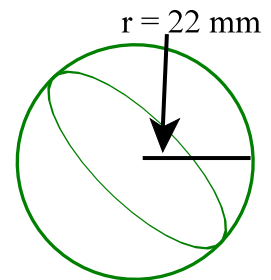
30)



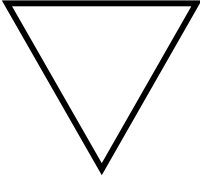

31)



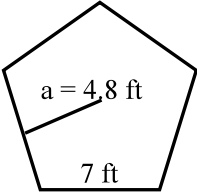
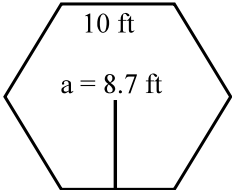
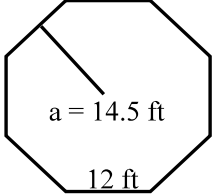
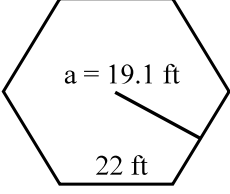
32)



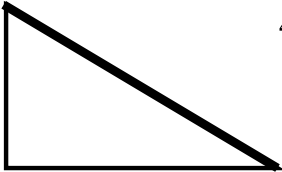

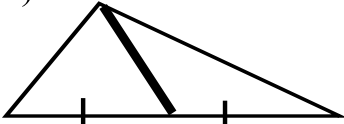
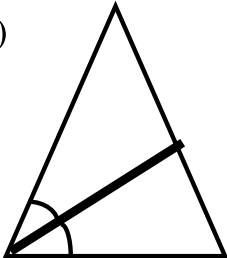
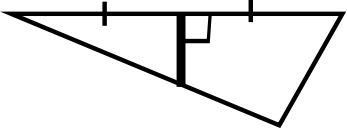
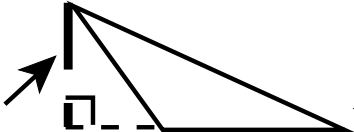
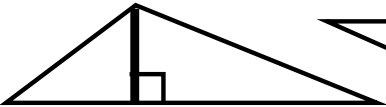
State the number of lines of symmetry in each figure below. Draw the lines.

33) **B**      34) **M**      35) **3**      36) **H**      37)       38) 

Find the area of each polygon below.

39)       40)       41)       42) 

Identify the bolded segment in each triangle below.

43)       44)       45)       46)       47)       48)       49)       50) 