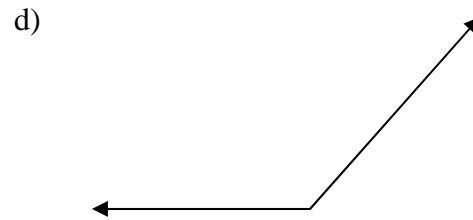
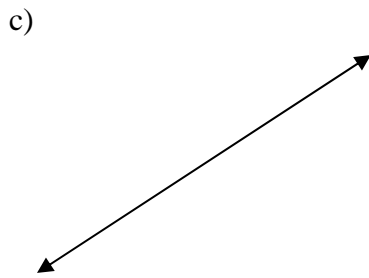
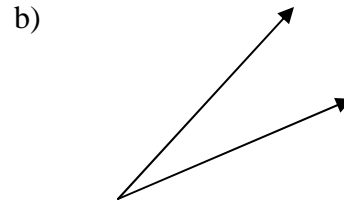
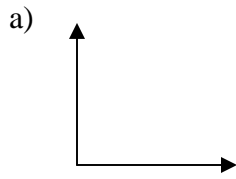
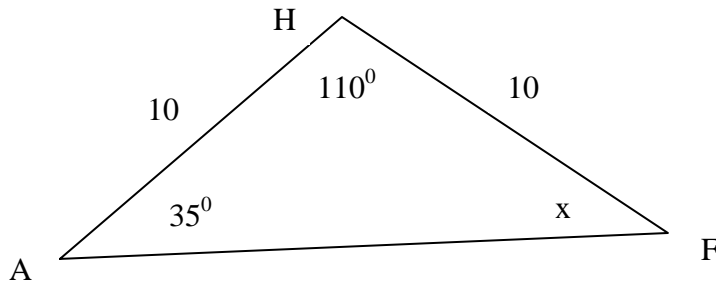


1. Classify each of the angles as right, straight, acute or obtuse.



2. Use the following triangle and find the missing angle measure x .



a) Classify the triangle as equilateral, isosceles, or scalene (explain your answer).

b) Classify the triangle as right, obtuse, or acute (explain your answer).

3. Find the sum of the angle measures of the following polygons.

a) Pentagon

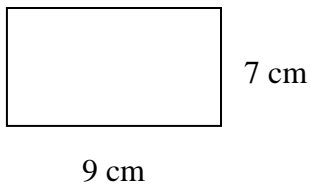
b) Rectangle

c) Octagon

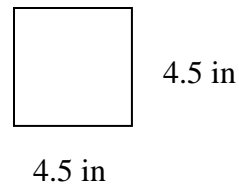
d) Triangle

4. Find the perimeter and area.

a)

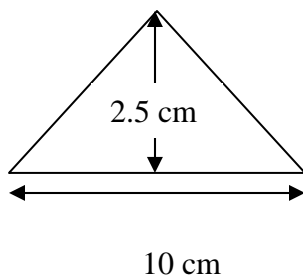


b)

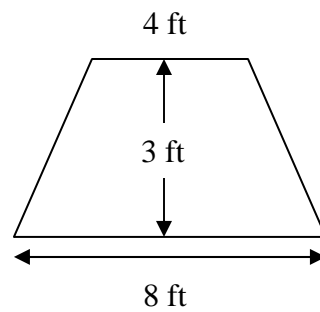


5. Find the area.

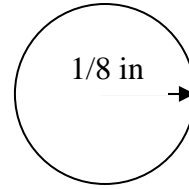
a)



b)



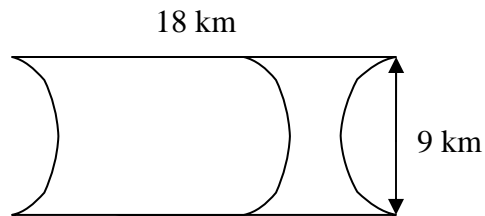
6a). Find the length of a diameter of this circle.



b) Find the circumference of the circle using $\frac{22}{7}$ for π .

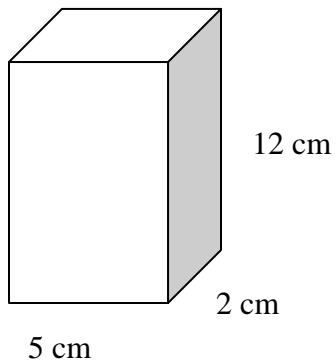
c) Find the area of the circle using 3.14 for π .

7. Find the perimeter and the area of the shaded region using 3.14 for π .

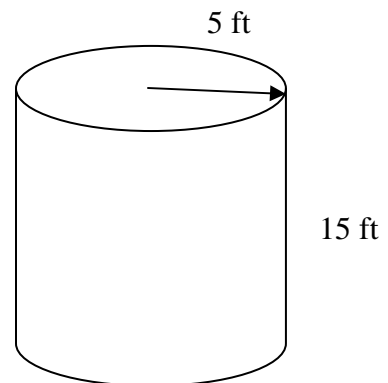


8. Find the volume and surface area of the following solids.

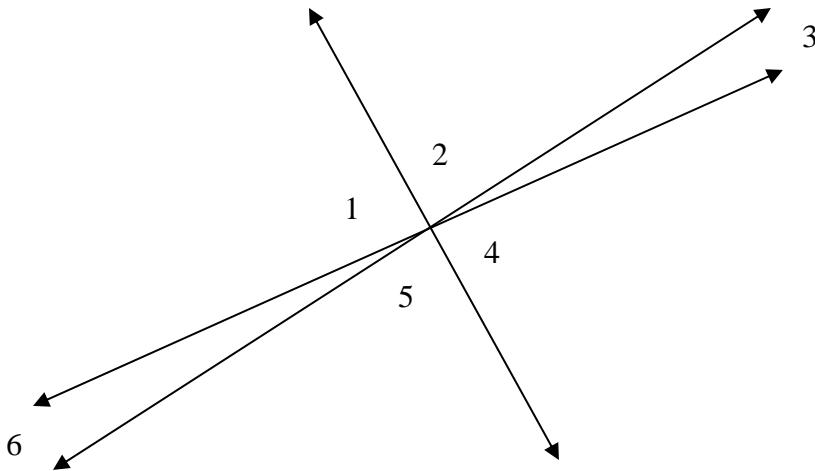
a)



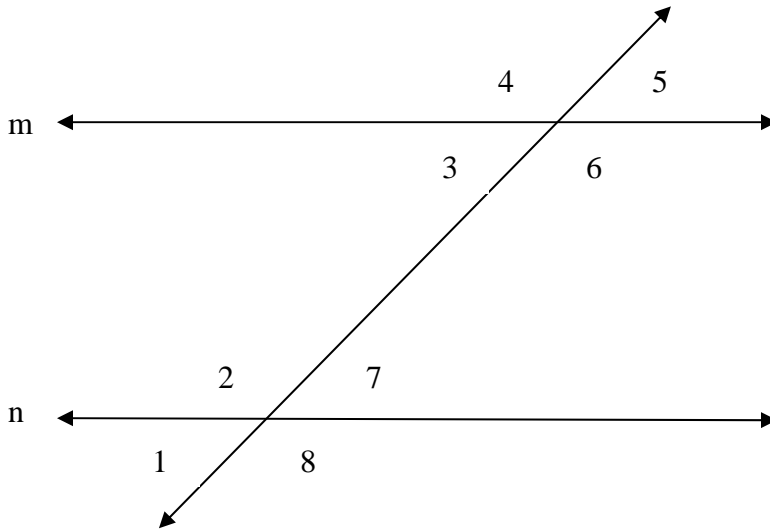
b)



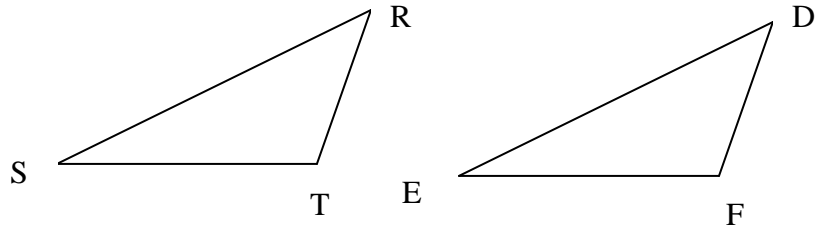
9a) In the figure, $m\angle 1 = 62^\circ$ and $m\angle 5 = 110^\circ$. Find $m\angle 2$, $m\angle 3$, $m\angle 4$, and $m\angle 6$.



b) If $m \parallel n$ and $m\angle 4 = 120^\circ$, what are the measures of the other angles?



10. Which property (if any) would you use to show that $\triangle RST \cong \triangle DEF$ with the given information?



a) $\overline{RS} \cong \overline{DE}$, $\overline{RT} \cong \overline{DF}$, and $\angle R \cong \angle D$.

b) $\angle R \cong \angle D$, $\angle S \cong \angle E$, and $\angle T \cong \angle F$.

c) $\overline{RS} \cong \overline{DE}$, $\angle R \cong \angle D$, and $\angle S \cong \angle E$.

d) $\angle R \cong \angle D$, $\overline{RT} \cong \overline{DF}$, and $\overline{ST} \cong \overline{EF}$.