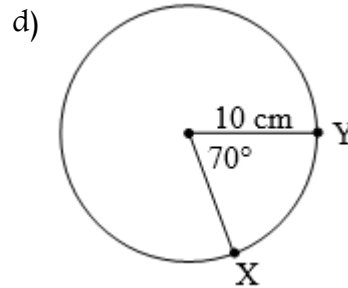
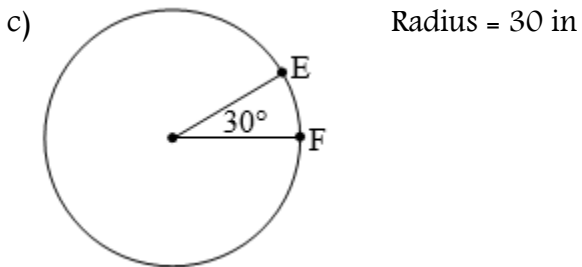
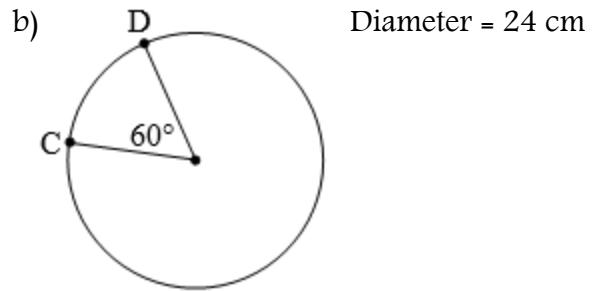
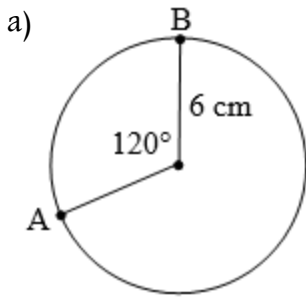
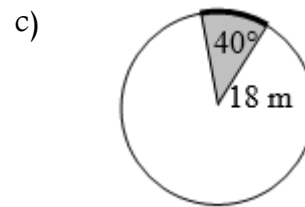
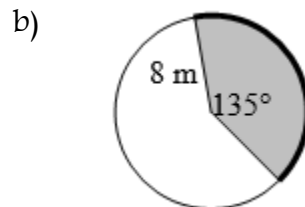
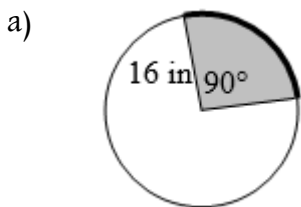


1) Find the Arc Length of the following sectors



2) Find the Area of the following sectors



- 3) A circle has an arc whose measure is 80° and whose length is 88π . What is the diameter of the circle?
- 4) A circle has a circumference of 25π . Find the length of an arc whose central angle is 50° .
- 5) Find the measure of the central angle of a circle if its minor arc length is 14π and the radius is 18 inches.
- 6) The area of a circle is $225\pi \text{ in}^2$. Find the area of the sector whose central angle is 45° .
- 7) The central angle of a sector is 60° and the area of the circle is $144\pi \text{ cm}^2$. What is the area of the sector?
- 8) Find the radius of a circle which has a sector area of $9\pi \text{ cm}^2$ and a central angle of 72° .
- 9) Find the measure of a central angle of a circle if its sector area is $5\pi \text{ in}^2$ and the radius is 6 in.