

Name: _____

Period: _____

Checkpoint 9C

Integrated Math 2

Answer the questions thoroughly including any necessary math or explanations.

1) Convert the given angles from “degrees to radians” or from “radians to degrees.”

a) 60°

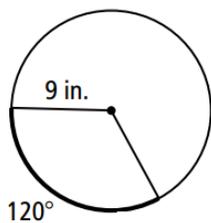
b) 240°

c) $\frac{2\pi}{6}$

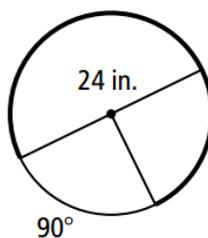
d) $\frac{2\pi}{3}$

Determine the length of each darkened arc. Leave your answer in terms of π .

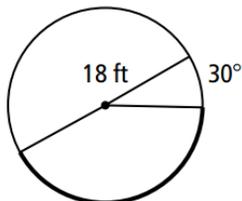
1)



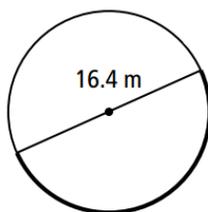
4)



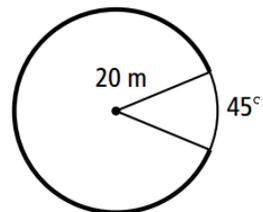
2)



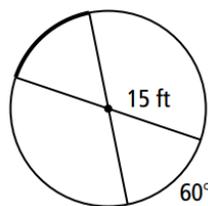
5)



3)



6)



Determine the area of the shaded sector. Leave your answer in terms of π .

