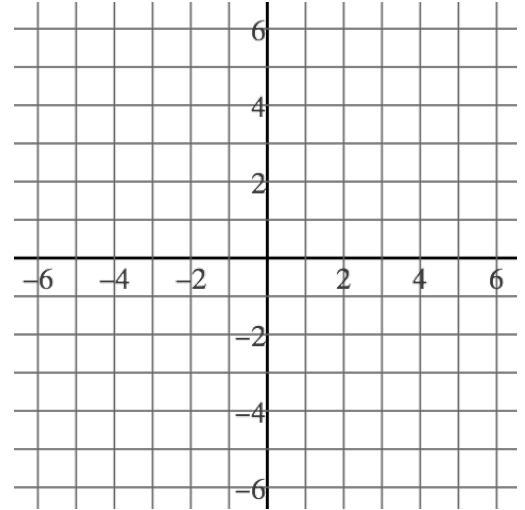GPE-A1c

1   Write the equation of a circle whose diameter has endpoints (-5,-5) and (-9,11).

GPE-A1d: Refer to the circle equation: $x^2 - 6x + y^2 + 2y = -6$
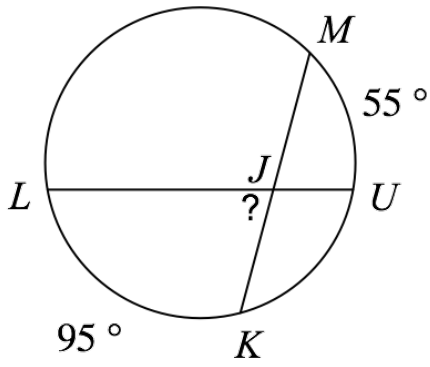
2   Find the center and radius of this circle.
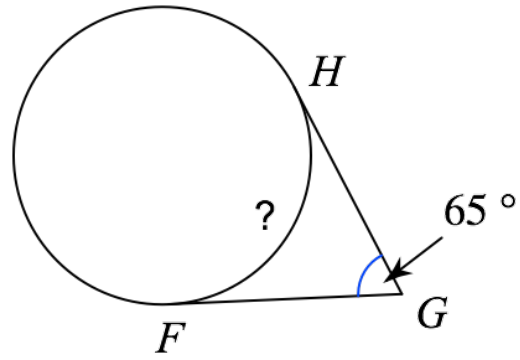
3   Sketch the circle on the given graph.

GMD-1b

4. The formula for area of a circle is A=$\pi * radius^2$. Explain why this is. You should use pictures to accompany your explanation.
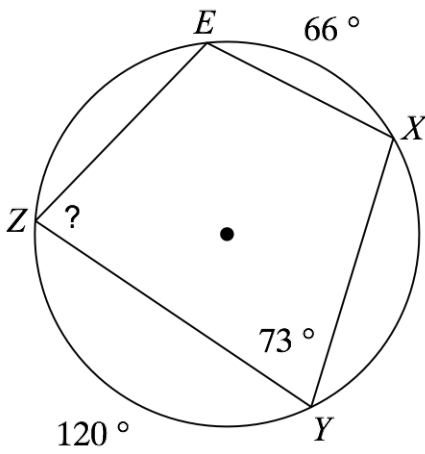
C-A2c

5. Find the measure of ∠LJK

M

55 °

J
?

L

U

95 °

K

6. Find the measure of arc HF.

H

?

65 °

G

F

C-A3a

7. Find the measure of ∠EZY

E   66 °

X

Z   ?

73 °

120 °   Y

C-B5b

8. Find the total circumference of the circle given that the length of a 135° arc is 23.6cm.

135°   23.6 cm