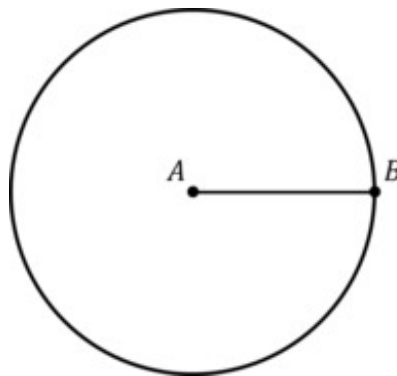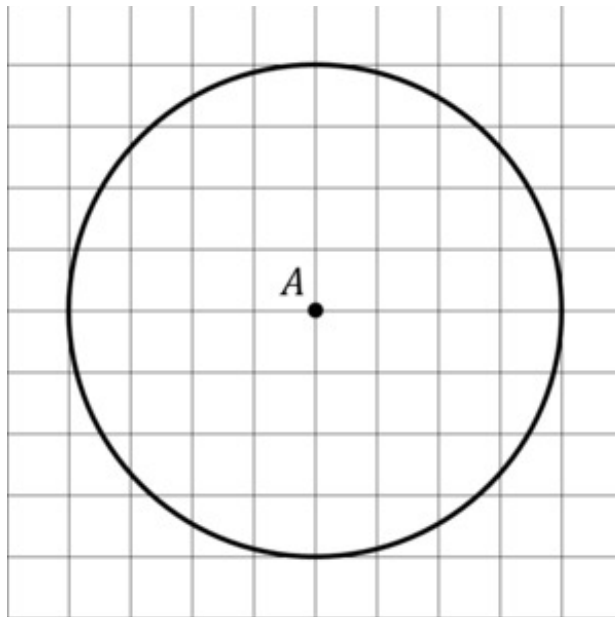# 7.G The Circumference of a Circle and the Area of the Region it Encloses

Task

a. What is the definition of a circle with center A and radius r?

b. A circle has center A and radius AB. Is point A on the circle? Is point B on the circle? Explain.

c. Imagine that a circle with center A is drawn on 1/4 inch grid paper as shown below. What is the radius of the circle?

d. Use the grid to estimate the circumference of the circle.

e. Use the grid to estimate the area of the region enclosed by the circle.

f. What are you measuring when you find the circumference of a circle? What are you measuring when you find the area of a circle?