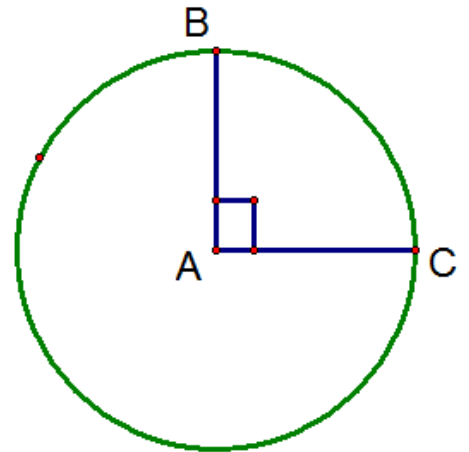


### Honors Geometry: Review Circle Quiz #3

1. If the circumference of a circle is  $18\pi$ , what is the area?
2. If the area of a circle is  $256\pi$  squared units, what is the circumference?

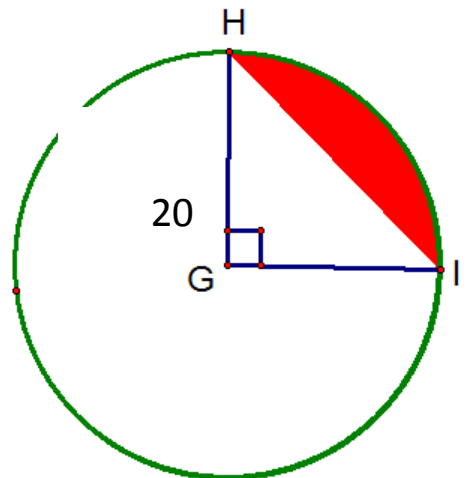
3. In circle A, length of  $BC = 16\pi$  squared units

- a. Find the radius of circle A
- b. Find the area of circle A
- c. Find the length of arc BC

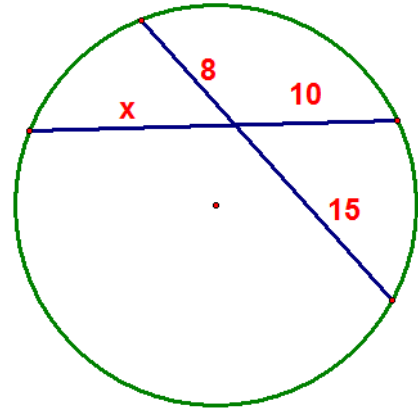


4. In circle G,  $GH = 20$ . Find the following:

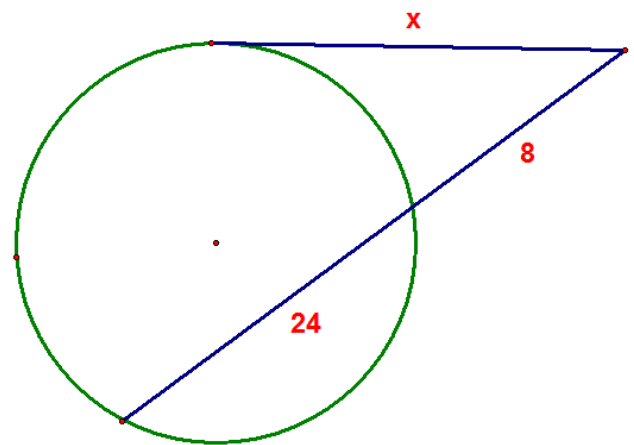
- a. Area of Sector HGI.
- b. Area of Triangle GHI.
- c. Shaded area to the nearest tenth



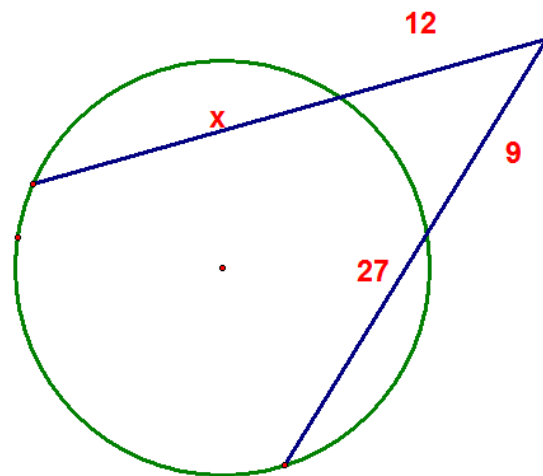
5. Find the value of  $x$ .



6. Find the value of  $x$ .



7. Find the value of  $x$ .



Key: 1.  $81\pi$ . 2.  $32\pi$ . 3a. 32. 3b.  $1024\pi$ . 3c.  $256\pi$ . 4a.  $100\pi$ . 4b. 200. 4c.  $114.2$ .

5. 12. 6. 16. 7. 15