

Geometry

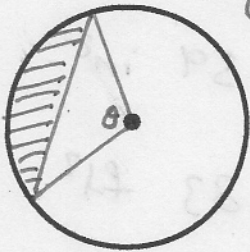
Name:

WS Area of Segments, Triangles, etc

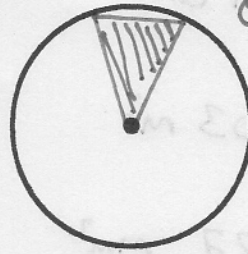
Date:

Period:

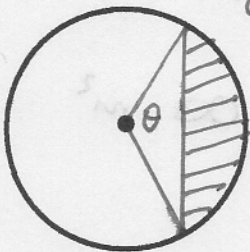
Show your work - check your answers (on back)



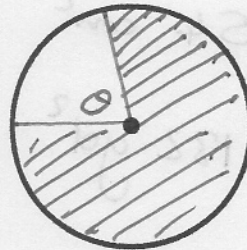
$\theta = 110^\circ$   $r = 8\text{cm}$



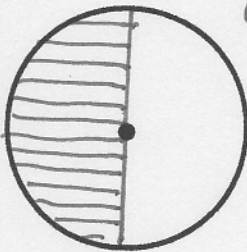
$\theta = 25^\circ$   $r = 7\text{in}$



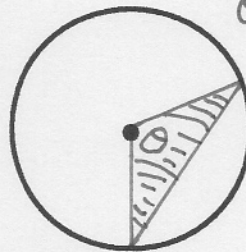
$\theta = 100^\circ$   $r = 10\text{m}$



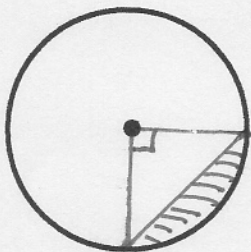
$\theta = 80^\circ$   $r = 20\text{in}$



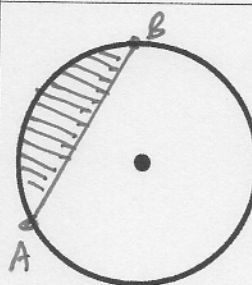
$\theta = 180^\circ$   $d = 50\text{mm}$   
(diameter)



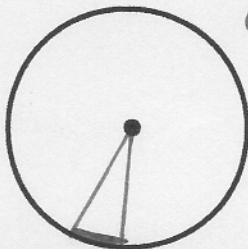
$\theta = 120^\circ$   $r = 5\text{ft}$



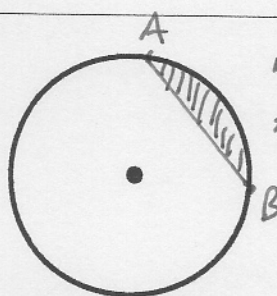
$r = 10\text{cm}$



$m\widehat{AB} = 100^\circ$   
Circumference =  $315\text{in}$



$\theta = 10^\circ$   $r = 16\text{yd.}$



$m\widehat{AB} = 90^\circ$   
Area of circle =  $154\text{m}^2$

$$A = 31.37 \text{ cm}^2$$

$$A = 38.03 \text{ m}^2$$

$$A = 3927 \text{ mm}^2$$

$$A = 28.54 \text{ cm}^2$$

$$A = 0.1132 \text{ yd}^2$$

$$A = 10.35 \text{ in}^2$$

$$A = 977.39 \text{ in}^2$$

$$A = 10.83 \text{ ft}^2$$

$$A = 955.72 \text{ in}^2$$

( $r = 50.133$ )

$$A = 14.00 \text{ m}^2$$

( $r = 7$ )