

5.9 Learning Opportunity



Name: _____

Measurement: Circular area

Circular area = πr^2 for exact answers you must use the symbol π
for rough estimates use $\pi \approx 3$, for more precise estimates use $\pi \approx 3.14$

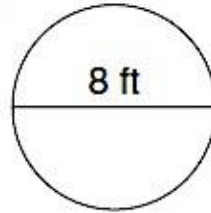
You may use a calculator as long as you first write the formula and substitute the variable values.

Find the area of each circle to the nearest tenth. Use 3.14 for π .

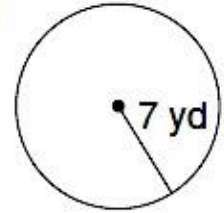
1.



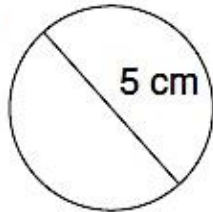
2.



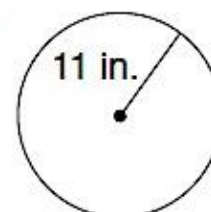
3.



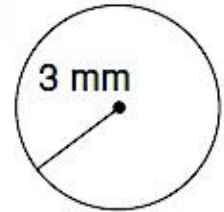
4.



5.



6.



7) Calculate a rough estimate of the area of the coin shown.



8) The circular manhole cover shown has a radius of 30 centimeters. What is the exact area of the manhole cover?



9) Find the area of the shaded region of the circle. Use 3.14 for Pi. Round your answer to the nearest tenth.

