

# MasterMath

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$\pi$  (3.14) and the Area of a Circle

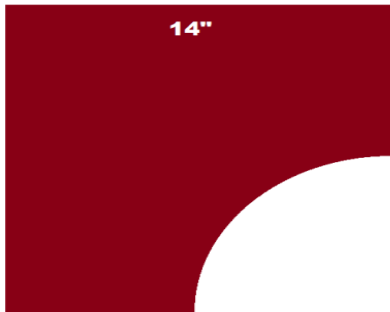
Date \_\_\_\_\_

## 1. Find the Area of each circle; indicate the unit of measure

radius	diameter	area
5'		78.5 sq ft
	18"	254.34 sq in
12 cm		452.16 sq cm

radius	diameter	area
	16 mm	200.96 sq mm
11 miles		379.94 sq miles
	14 yards	153.86 sq yds

## 2. What is the area of the shaded region.

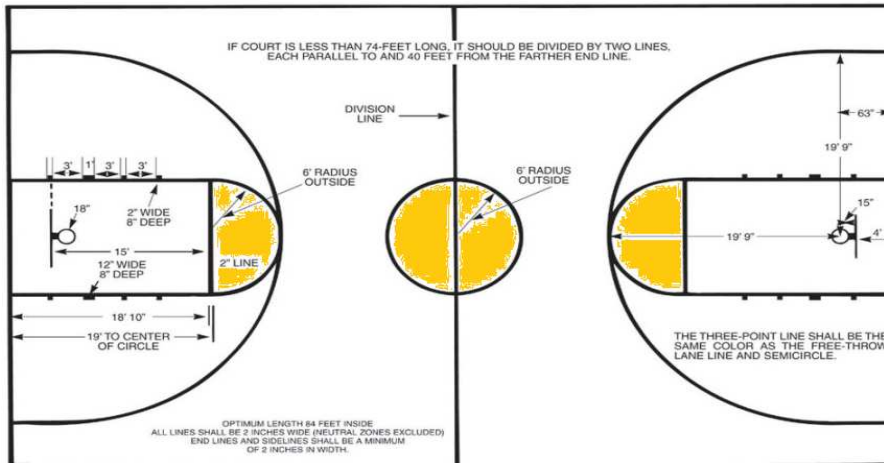


157.54 sq in

## 3. A circle has a diameter of 10'. What is its area?

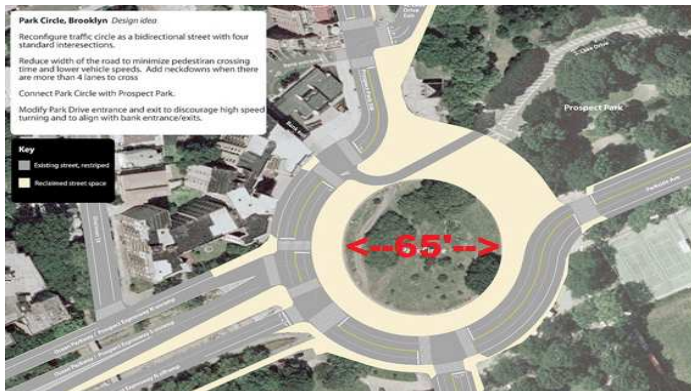
78.5 sq ft

## 4. Determine the area of the center circle plus the two semi-circles at the top of the foul line on this diagram of a basketball court.



226 sq ft

## 5. What is the area of the park at the middle of the planned traffic circle?



3,316.6 sq ft



