

NAME _____

DATE _____

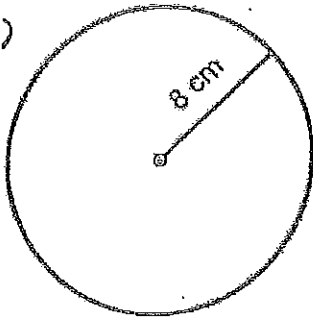
PD _____

GEOMETRY #5

SHOW ALL OF YOUR STEPS AND CALCULATIONS IN YOUR NOTEBOOK.

FILL IN THE MISSING VALUE (RADIUS OR DIAMETER). THEN CALCULATE THE AREA OF EACH CIRCLE.

1)

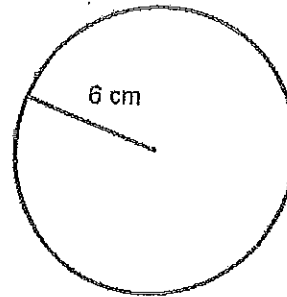


RADIUS: _____

DIAMETER: _____

AREA: _____

2)

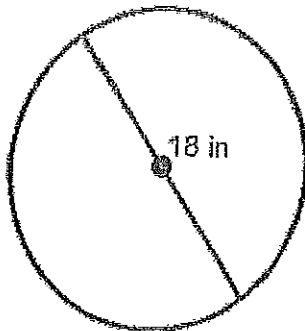


RADIUS: _____

DIAMETER: _____

AREA: _____

3)

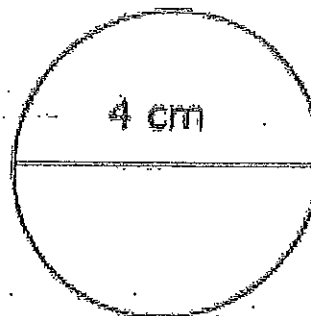


RADIUS: _____

DIAMETER: _____

AREA: _____

4)



RADIUS: _____

DIAMETER: _____

AREA: _____

NAME _____

DATE _____ PD _____

GEOMETRY #6

SHOW ALL OF YOUR STEPS AND CALCULATIONS IN YOUR NOTEBOOK.

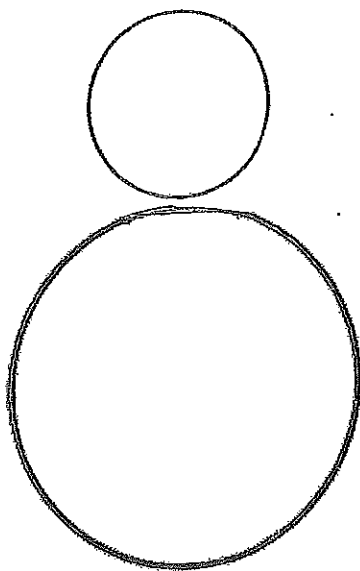
CALCULATE THE AREA OF EACH CIRCLE.

1) DEREK'S DINNER PLATE HAS A DIAMETER OF ABOUT 9 INCHES. FIND THE AREA OF HIS PLATE.

2) THE SPRAY FROM A LAWN SPRINKLER MAKES A CIRCLE 40 FEET IN RADIUS. WHAT IS THE AREA THAT WILL GET WATERED?

3) FIND THE AREA OF A SEMICIRCULAR RUG WITH A DIAMETER OF 7 FEET.

4) THE DIAGRAM SHOWS A LOGO DESIGN CONSISTING OF TWO CIRCLES JOINED TOGETHER. THE TOP CIRCLE HAS A RADIUS OF 3 FEET. THE BOTTOM CIRCLE HAS A RADIUS OF 5 FEET. WHAT IS THE AREA OF THE LOGO? (WRITE YOUR ANSWER IN TERMS OF π)



5) YOU HAVE TO PURCHASE PAINT TO COVER THE LOGO FROM QUESTION 4. IF THE CAN OF PAINT SAYS IT THERE IS ENOUGH PAINT TO COVER 100 SQUARE FEET, WILL YOU HAVE ENOUGH PAINT TO COMPLETELY COVER THE LOGO? HOW DO YOU KNOW? EXPLAIN YOUR REASONING.