

SHAPES & DIMENSIONS

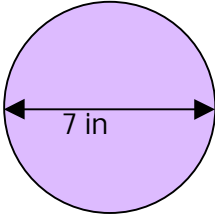
FINAL TEST

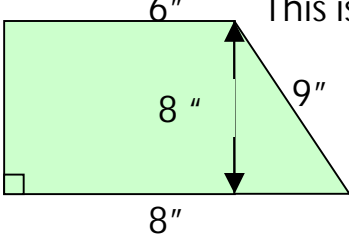
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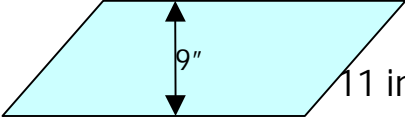
Find the answers requested in each problem.

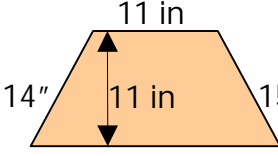
A = area P = perimeter R = radius D = diameter

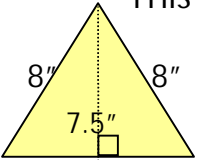
C = circumference Use 3.14 for π


1)  D = _____
R = _____
C = _____
A = _____

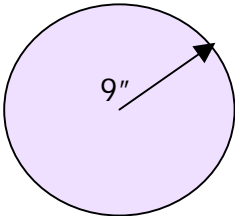
2)  This is a _____
P = _____
A = _____

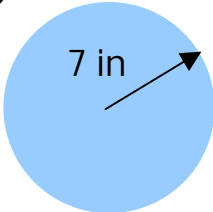
3) This is a _____
 A = _____
P = _____

4) This is a _____
 P = _____
A = _____

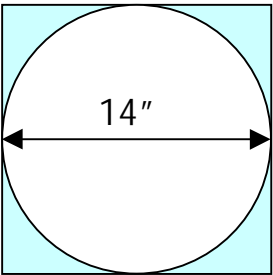
5) This is a _____
 P = _____
A = _____

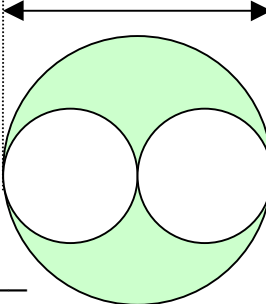
6) This is a _____
 P = _____
A = _____

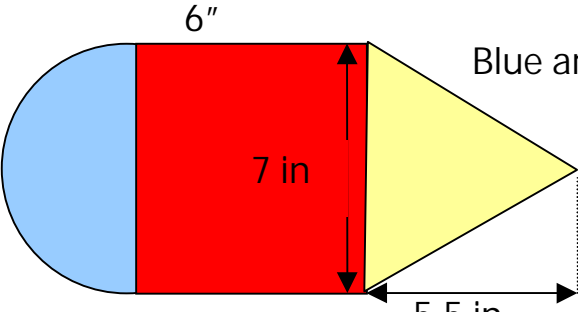
7)  D = _____
R = _____
C = _____
A = _____

8)  D = _____
R = _____
C = _____
A = _____

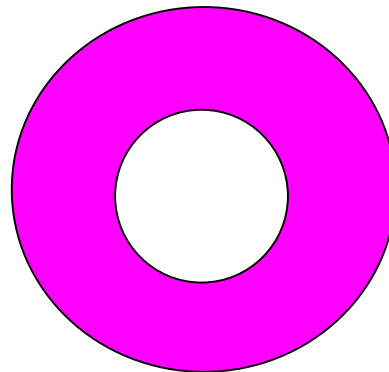
Find the areas indicated

9)  Blue Area = _____

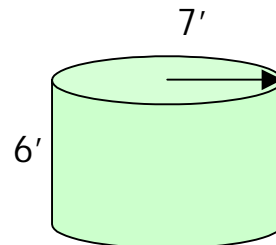
10)  Green area = _____

11)  Blue area = _____ Red area = _____
Yellow area = _____
Total area = _____

12)
Diameter of large circle is 21 inches
Diameter of small circle is 7 inches
Area of large circle is _____
Area of small circle is _____
Pink area is _____

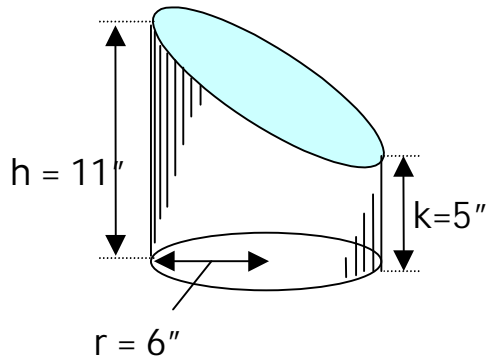


This is a _____ cylinder.
The diameter of the end is _____
The radius of the end is _____
The circumference is _____
Each end area is _____
Its side area is _____
The total area is _____



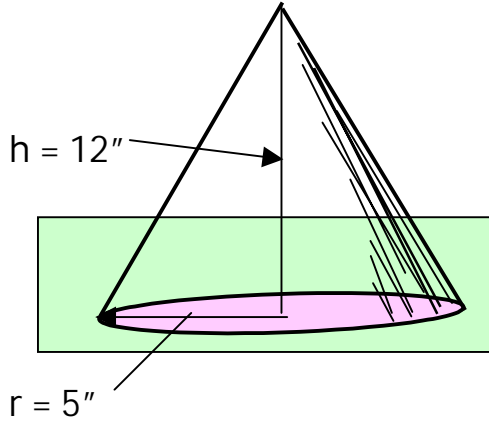
Find the volumes of the following.

14)



Ice weighs 57.4 lb./cu ft Water weighs 62.4 lb. /cu ft

15)



16) A large sheet of ice, 3 feet thick, 20 feet long and 20 feet wide weighs how much? How many pounds of water does it displace? If 20 men, each weighing 200 pounds, stand in the center of the sheet of ice, will it still float?

17) There is a cube, 3 feet long, 3 feet wide, and 3 feet high. It's volume is how many cubic feet? This cube weighs 936 pounds. If placed in water, how many cubic feet of water would it displace? If it weighs 1,248 lb., how many cubic feet of water does it displace? If it weighs 1,700 lb., how many cubic feet of water does it displace?

18) A spherical water tank is 40 feet in diameter. How many cubic feet of water will it hold? How many tons of water will that be? (a ton is 2000 lb.)