ANSWERS TO SHAPES & DIMENSIONS FINAL

1) D =7 in
R =3.5 in
C =21.98 in
A = 38.465 sq in

2) Trapezoid
P = 31 in
A = 56 sq in

3) parallelogram
A =117 sq in
P = 48 in

4) Trapezoid
P = 57 in
A = 154 sq in

5) Triangle
P = 24 in
A = 30 sq in

6) Rectangle
P = 66 in
A = 252 sq in

7) D = 18 in
R = 9 in
C = 56.52 in
A = 254.34 sq in

8) D = 14 in
R = 7 in
C = 43.96 in
A = 153.86 sq in

9) 42.14 sq in

10) 173.0925 sq in

11) Blue area =_19.2325 sq in_ Red area =_42 sq in
Yellow area =_19.25 sq in   Total area = _80.4825 sq in_

12 Area of large circle is _346.185 sq in_
Area of small circle is _38.465 sq in_
Pink area is _307.72 sq in

13) This is a _right_____cylinder.
The diameter of the end is 14 ft_____
The radius of the end is_7 ft_____
The circumference is *43.96 ft_*
Each end area is _153.86 sq ft
Its side area is 263.76 sq ft
The total area is 571.48 sq ft

14)   904.32 Cu in.   15)   314 Cu in.

16)   The ice weighs 68,880 Lb.
       It displaces 68,880 Lb. of water.
       Yes. It will hold up 6000 lb. The men weigh 4000 lb

17)   27 cubic feet
       It would displace 15 cubic feet
       It would displace 20 cubic feet
       It would displace 27 cubic feet

18)   It will hold 33,493.3 cu ft. of water.
       The water in the tank will weigh 1045 tons.