

## ANSWERS TO FINAL TEST

1)  $D = 7$  in  $R = 3\frac{1}{2}$  in  $C = 22$  in  $A = 38\frac{1}{2}$  sq in.

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

3) Parallelogram  $P = 48$  in  $A = 117$  sq 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  $C = 56\frac{4}{7}$  in  $A = 254\frac{4}{7}$  sq in.

8)  $D = 14$  in  $R = 7$  in  $C = 44$  in  $A = 154$  sq in.

9) 121 sq in

10) 156 sq in

11) The area of the triangle = **36 sq in**

The area of the trapezoid is **22 $\frac{1}{2}$  sq in**

The total area is **58 $\frac{1}{2}$  sq in**

13) \$770.00

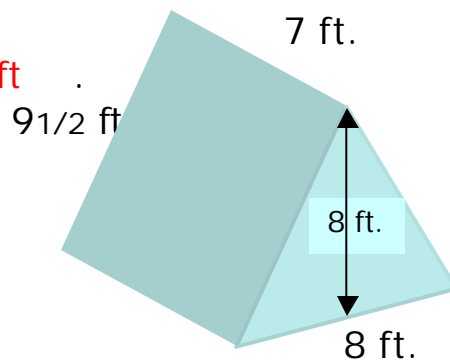
14) \$299

15) \$377

16) \$256.50

- 17) \$162.72  
 18) \$162  
 19) \$67.80  
 20) 4 gallons          \$72  
 21) \$54,144

- 22) Bottom area\_56 sq ft  
 Left side area\_66 1/2 sq ft  
 Right side area\_66 1/2 sq ft  
 Front area \_32 sq ft  
 Back area \_32 sq ft  
 Total area\_253 sq ft



Find the surface areas of these cylinders.

- 23) Area of the front end =\_38 1/2 sq in  
 Area of the back end = 38 1/2 sq in  
 The circumference = 22 in  
 Area of the side = 187 sq in  
 Total surface area of the cylinder = 264 sq in

