

Name: \_\_\_\_\_

Write your formulas here:

Cone Surface Area:

Cone Volume:

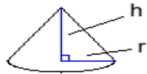
### Surface Area and Volume

1)



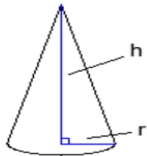
Find the surface area.  
 $r = 3$  in,  $h = 4$  in  
 $l = 5$  in  
(Leave answer in  $\pi$  form.)

2)



Find the surface area.  
 $r = 9$  ft,  $h = 12$  ft  
(Use 3.14 for  $\pi$ )

3)



Find the surface area.  
 $r = 7$  m,  $h = 24$  m  
(Leave answer in  $\pi$  form.)

4)



Find the volume.  
 $r = 21$  cm,  $h = 14$  cm  
(Use 3.14 for  $\pi$ )

5)



Find the volume.  
 $r = 15$  cm,  $h = 19$  cm  
(Leave answer in  $\pi$  form.)

6)



Find the volume.  
 $r = 6$  cm,  $h = 16$  cm  
(Leave answer in  $\pi$  form.)