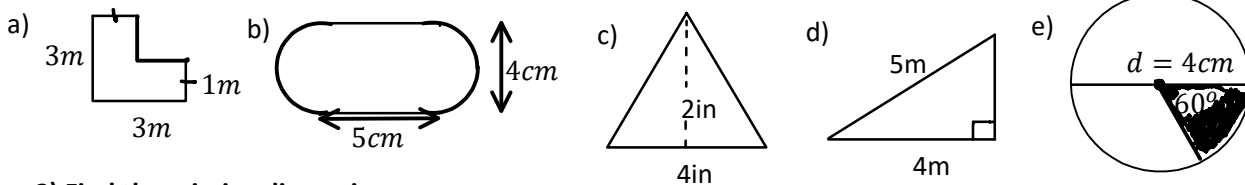


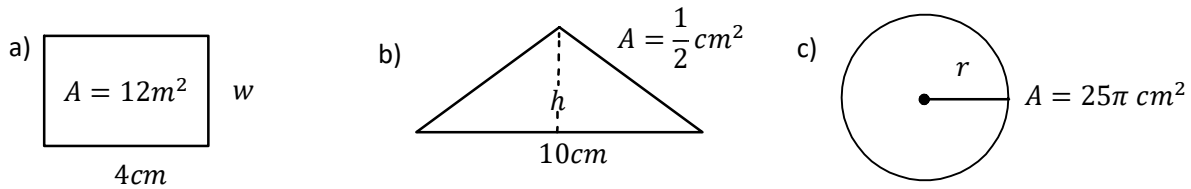
M10 - 2.0 - Surface Area/Volume Review

1) Find the following perimeter/circumference and areas.

Of Shaded Region

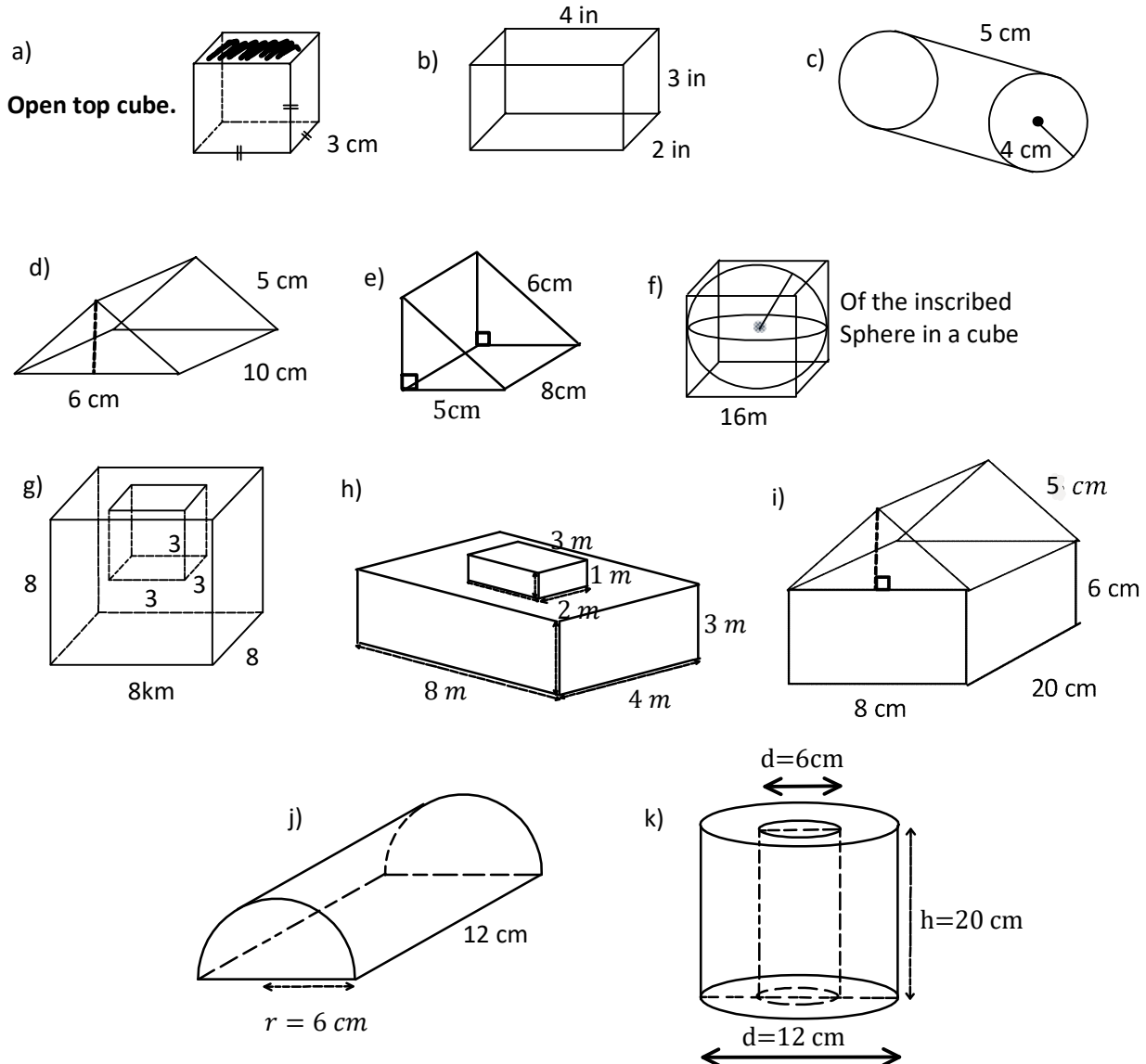


2) Find the missing dimension.



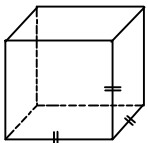
d) Find radius in terms of the Circumference and Area respectively of a circle.

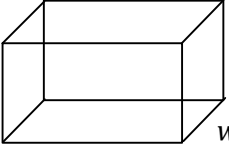
3) Find the Surface Area and Volume

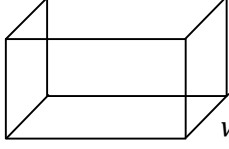


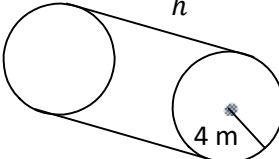
M10 - 2.0 - Surface Area/Volume Review

4) Find the missing dimension.

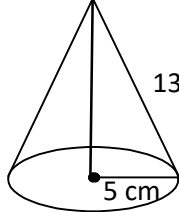
a)  $V = 27m^3$
 $SA = ?$

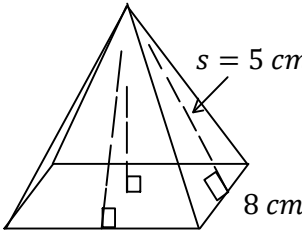
b)  $V = 240 cm^3$
3 cm, 8 cm, w

c)  $SA = 792 cm^2$
15 cm, 8 cm, w

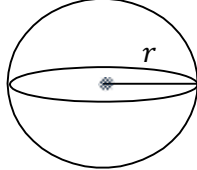
d)  $SA = 300\pi m^2$
 $V = ?$
4 m, h

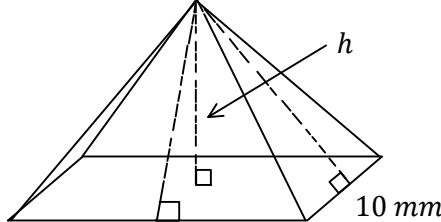
5) Find the Surface Area and Volume

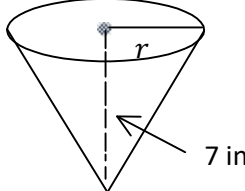
a)  13 cm, 5 cm

b)  $s = 5 cm$, 8 cm

6) Find the missing dimension.

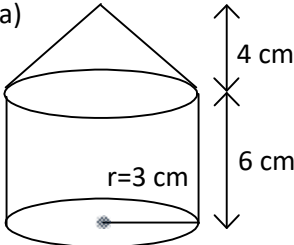
a) $SA = 25\pi in^2$  r

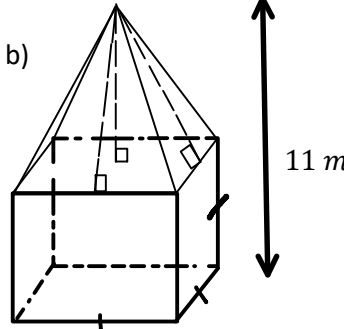
b) $V = 1000 mm^3$  h , 10 mm, 10 mm

c) $V = 183.26 ft^3$  r , 7 in

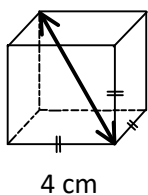
d) Find the radius of the Earth if given its volume is $1.0878 \times 10^{21} m^3$.

7) Find the Surface Area and Volume

a)  4 cm, 6 cm, $r=3 cm$

b)  11 m, 8 m

8) Find the diagonal length.



9) How many of these cones of fluid could be poured into this rectangular prism.

