ws-3 6th doundation

Thask

Given r=1m

(2)

Given 1=30m; b=5m

(1)

(3)

Guver

4

(5)

$$= 30 \, \text{m}^2$$

6 Griven

$$=\frac{2+6+8}{2}$$

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Area of briangle = 1 x base x height

$$= 3 = \frac{1}{2} h = 1 h = 6 m$$

(8)

$$\frac{A_1}{A_2} = \frac{\Lambda r_1^2}{\Lambda r_2^2} = \left(\frac{r_1}{r_2}\right)^2 = \left(\frac{2}{4}\right)^2 = \frac{1}{4}$$

9

As radius same then the Diameters also same

(1)

For a square Diagonal = V2 x Side length

(12)

$$\frac{a}{a} = l + b \Rightarrow b = \frac{b}{a} - l.$$

(13)

Base (Bc) = 'a

heigh AD = 'BD Lam60'

$$\frac{a}{a}$$
 $\frac{a}{b}$ $\frac{a}{$

$$= \frac{1}{2} \times \alpha \times \frac{13}{2} \alpha = \frac{13}{4} \alpha^2$$

$$y' = ak$$
 Area g sphere = $u\pi (y')^2 = 4\pi (2k)^2$
= $16\pi k^2$

of r=4k Asea & sphere = 4x(81)2 = 4x(4K)2 =647 k2

$$\gamma_1 = 2m$$
; $\gamma_2 = 1m$

$$r=5m$$

$$\frac{Area}{Perimeter} = \frac{\pi r^2}{2} = \frac{\pi}{2} = \frac{5}{2}$$

Side = 2m

Asiea of an equilateral

triangle:
$$\frac{\sqrt{3}}{4}$$
 a^2

$$= \frac{\sqrt{3}}{4} \times 2^2$$

$$= \sqrt{3} \cdot m^2$$

(7)

GNen

1=3m; b=4m

length of diagonal = 12+b2 $=\sqrt{3^2+4^2}$ = 19+16 = Jas = 5m

For side 'a' Perimeter=49

(b)
$$r = 3m$$
; Area = $u \pi r^2$
= $4\pi (3)^2$
= 36π

(13) Given 1=2m; b=6m

Perimeter=2(1+b)

8

Gilven A=473 A=1001

$$\frac{A_1}{A_2} = \frac{\sqrt{\gamma_1^2}}{\sqrt{\chi_2^2}}$$

$$\frac{\sqrt{4}}{100} = \left(\frac{\gamma_1}{\gamma_2}\right)^2$$

$$\Rightarrow \frac{1}{35} = \left(\frac{\gamma_1}{\gamma_2}\right)^2$$

$$\frac{\Upsilon_1}{\Upsilon_2} = \frac{1}{5}$$

S, = 2 S2

Perimeter p= 35rde

$$\frac{P_1}{P_2} = \frac{\text{Side}_1}{\text{Side}_2} = \frac{2 \text{ Sp}}{\text{Sp}} = \frac{2}{1}$$

1=6m; P=20m

1=2m; b=005

$$P_2 - P_1 = 2(l_2 + b_2) - 2(l_1 + b_1)$$

$$= 2((10 + 20) - (5 + 10))$$

$$= 2(30 - 15)$$

$$= 30 m$$

(9)

(20)