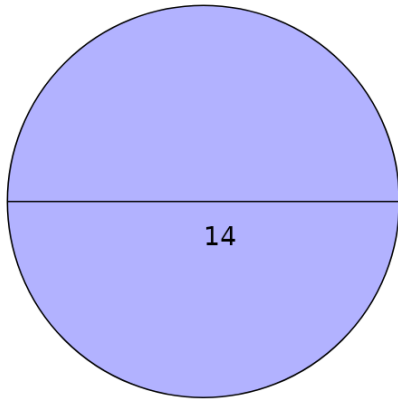


Calculate the surface area of cylinders

1

What is the area in terms of π ?



A

$$33\pi$$

B

$$41\pi$$

C

$$37\pi$$

D

$$21\pi$$

E

$$49\pi$$

F

$$57\pi$$

2

A Cylinder with radius 3 and height 5

A

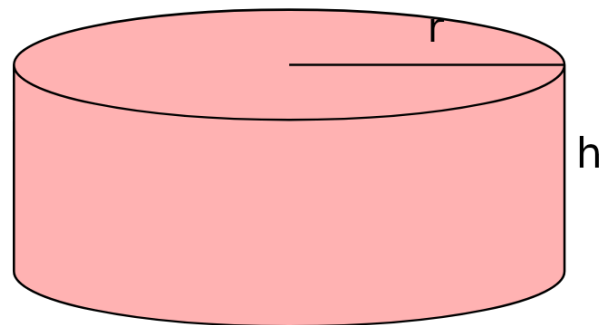
$$SA = 2\pi \cdot 5 \cdot 3 + 2\pi 5^2$$

B

$$SA = 2\pi \cdot 3 \cdot 5 + 2\pi 3^2$$

3

What is the formula for the surface area of this Cylinder?



A

$$SA = lw + l\sqrt{\left(\frac{w}{2}\right)^2 + h^2} + w\sqrt{\left(\frac{l}{2}\right)^2 + h^2}$$

B

$$SA = 2\pi rh + 2\pi r^2$$

4

What shape would this formula calculate the surface area for?

$$SA = \pi r(r + \sqrt{h^2 + r^2})$$

A

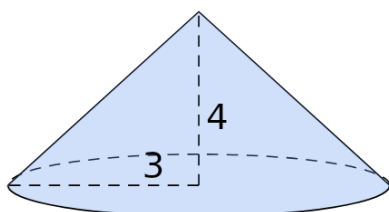
Sphere

B

Cone

5

What is the surface area of this Cone?



A

74.05

B

75.4

6

A Sphere with radius 2

A

48.92

B

50.27



Calculate the surface area of cylinders

7

A Sphere with radius 5

A

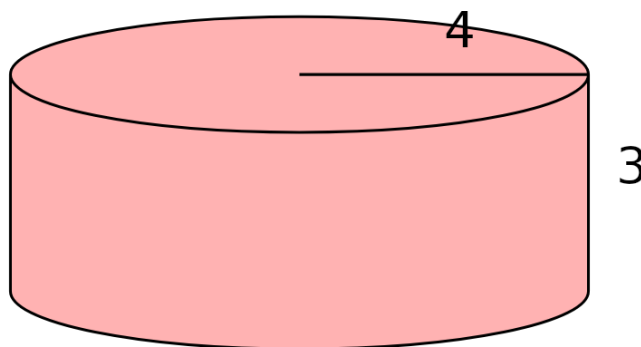
$$SA = \frac{4 \cdot \pi \cdot 5^3}{3}$$

B

$$SA = 4\pi \cdot 5^2$$

8

What is the surface area of this Cylinder?



A

$$16\pi$$

B

$$86\pi$$

C

$$101\pi$$

D

$$6\pi$$

E

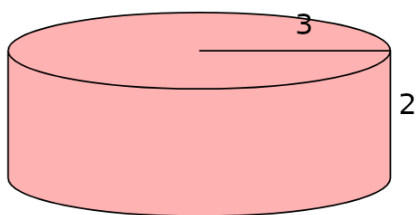
$$56\pi$$

F

$$11\pi$$

9

What is the surface area of this Cylinder?

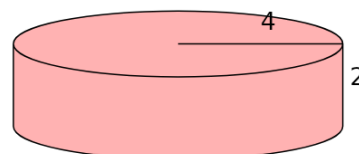


A 94.25

B 98.3

10

What is the surface area of this Cylinder?



A

$$SA = 2\pi \cdot 4 \cdot 2 + 2\pi 4^2$$

B

$$SA = 2\pi \cdot 2 \cdot 4 + 2\pi 2^2$$

11

A Cylinder with radius 2 and height 5

A 92.01

B 87.96

12

A Cylinder with radius 2 and height 5

A

$$SA = 2\pi \cdot 5 \cdot 2 + 2\pi 5^2$$

B

$$SA = 2\pi \cdot 2 \cdot 5 + 2\pi 2^2$$