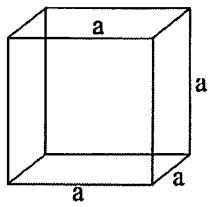
TEST 34

(Volume of Prisms and Cylinders)

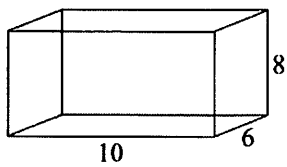
1) a=6cm. What is the volume of the prisms?

A) 36
B) 108
C) 124
D) 216
E) 230



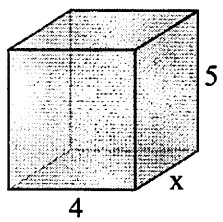
2) What is the volume of the prisms?

A) 430
B) 480
C) 490
D) 512
E) 480π



3) The volume of the prism is 240cm^3. What is the value of x?

A) 12
B) 13
C) 14
D) 15
E) 16

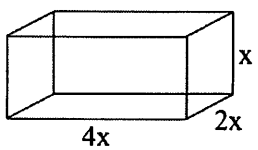


4) What is the volume of a prism where the base area is 36cm^2 and which is 13cm long?

A) 458 B) 468 C) 478
D) 512 E) 578

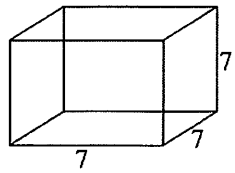
5) V=64cm^3. What is the value of 2x?

A) 2
B) 4
C) 5
D) 6
E) 7



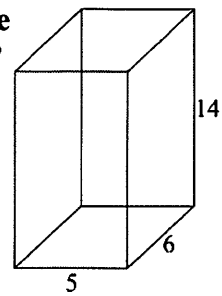
6) What is the volume of the right prisms?

A) 123
B) 243
C) 333
D) 343
E) 363

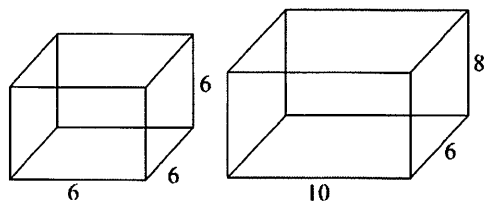


7) What is the volume of the right prism?

A) 90
B) 120
C) 220
D) 320
E) 420



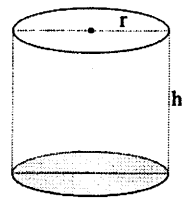
8) What is the ratio of the volume of the first prism and the volume of the second prism below?



A) $\frac{9}{22}$ B) $\frac{9}{20}$ C) $\frac{7}{20}$
D) $\frac{8}{21}$ E) $\frac{10}{21}$

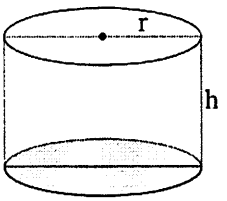
9) r=4cm, h=8cm. What is the volume of the right cylinder?

A) 100π
B) 112π
C) 128π
D) 130π
E) 168π



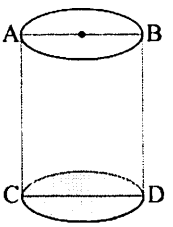
10) **r=4cm, h=4cm. What is the volume of the right cylinder?**

A) 64π
B) 64
C) 100π
D) 100
E) 32π



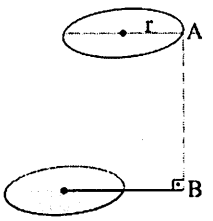
11) **AB=4cm, BD=12cm. What is the volume of the right cylinder?**

A) 40π
B) 48π
C) 50π
D) 50π
E) 64π



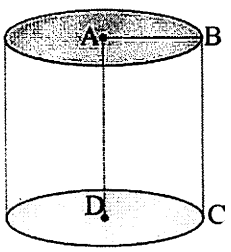
12) **r=6cm, AB=10cm. What is the volume of the oblique cylinder?**

A) 100π
B) 120π
C) 180π
D) 360π
E) 380π



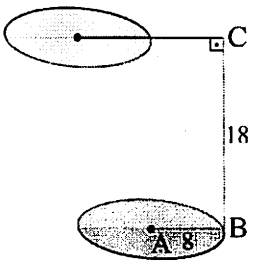
13) **AB=3cm, AD=14cm. What is the volume of the right cylinder?**

A) 80π
B) 90π
C) 90
D) 120π
E) 126π

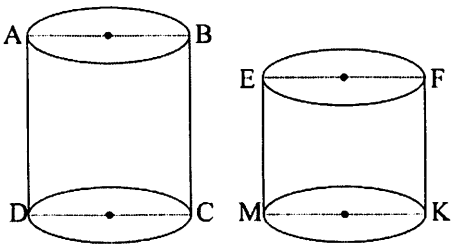


14) **AB=8cm, BC=18cm. What is the volume of the oblique cylinder?**

A) 1152
B) 1152π
C) 1262π
D) 1262
E) 166π



15) **AB=20cm, BC=10cm. F=12cm, KF=10cm. What is the ratio of the volume of the first cylinder and the volume of the second cylinder below?**



A) $\frac{25}{9}$ B) $\frac{10}{7}$ C) $\frac{11}{3}$
D) $\frac{11}{7}$ E) 2