Name_____ Class_____ Date_____

1 What is the **volume** of the pyramid shown?

$V = \frac{1}{3}b^2h$

A 66 cm³
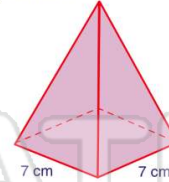**B** 726 cm³
C 1,089 cm³
D 2,178 cm³

h = 18 cm
11 cm

2 If a pyramid has a **volume** of **343 cm³** and a **base** of **7 cm x 7 cm**, what is the **height** of the pyramid?
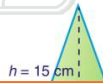
$V = \frac{1}{3}b^2h$

A 7 cm
B 18 cm
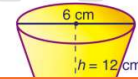**C** 21 cm
D 24 cm

7 cm   7 cm

3 What is the **volume** to the nearest tenth of the cone shown?

$V = \frac{1}{3}\pi r^2 h$

h = 15 cm

4 What is the amount of ice cream that can fit in the cone shown to the **nearest hundredth**?
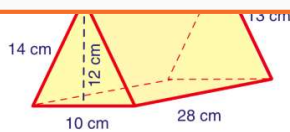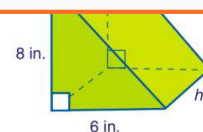
$V = \frac{1}{3}\pi r^2 h$

6 cm
h = 12 cm

5

PREVIEW

Please **Sign In** or **Sign Up** to download the printable version of this worksheet

7

A 1,156 cm
B 1,166 cm
C 1,176 cm
D 1,276 cm

14 cm   12 cm   13 cm
10 cm   28 cm

A 7 in.
B 6 in.
C 5 in.
D 4 in.

8 in.
h
6 in.

9 What is the **surface area** of the cylinder shown?
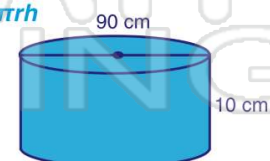
$SA = 2\pi r^2 + 2\pi rh$

7.5 m
25 m

A 588.75 m
B 1,203.05 m
C 1,318.8 m
D 1,530.75 m

10 What is the **surface area** of the cylinder shown?

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

90 cm
10 cm

A 3,108.6 cm
B 3,391.2 cm
C 15,543 cm
D 53,694 cm

Name_____ Class_____ Date_____

1 What is the **volume** of the pyramid shown?

$V = \frac{1}{3} b^2 h$

A 66 cm³
B 726 cm³
C 1,089 cm³
D 2,178 cm³

h = 18 cm
11 cm

Ⓑ

2 If a pyramid has a **volume** of **343 cm³** and a **base** of **7 cm x 7 cm**, what is the **height** of the pyramid?

$V = \frac{1}{3} b^2 h$

A 7 cm
B 18 cm
C 21 cm
D 24 cm

7 cm   7 cm

Ⓒ

3 What is the **volume** to the nearest tenth of the cone shown?

$V = \frac{1}{3} \pi r^2 h$

h = 15 cm

Ⓒ

4 What is the amount of ice cream that can fit in the cone shown to the **nearest hundredth**?

$V = \frac{1}{3} \pi r^2 h$

6 cm
h = 12 cm

Ⓑ

5

Ⓓ

7

Ⓓ

A 1,156 cm
B 1,166 cm
C 1,176 cm
D 1,276 cm

14 cm
12 cm
13 cm
10 cm   28 cm

A 7 in.
B 6 in.
C 5 in.
D 4 in.

8 in.
6 in.
h

9 What is the **surface area** of the cylinder shown?

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

A 588.75 m
B 1,203.05 m
C 1,318.8 m
D 1,530.75 m

7.5 m
25 m

Ⓓ
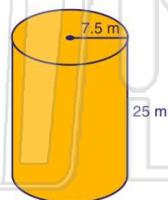
10 What is the **surface area** of the cylinder shown?

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

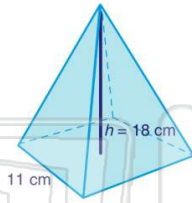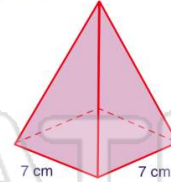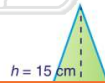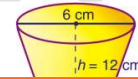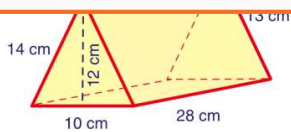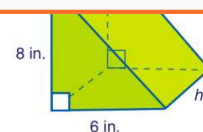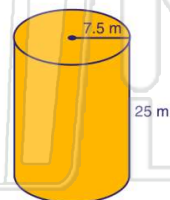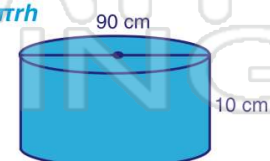**A** 3,108.6 cm
B 3,391.2 cm
C 15,543 cm
D 53,694 cm

90 cm
10 cm

Ⓒ

PREVIEW

Please **Sign In** or **Sign Up** to download the printable version of this worksheet