Name : _____

Measurement Review
Developing / Proficient
PRISMS & PYRAMIDS

Label each shape.

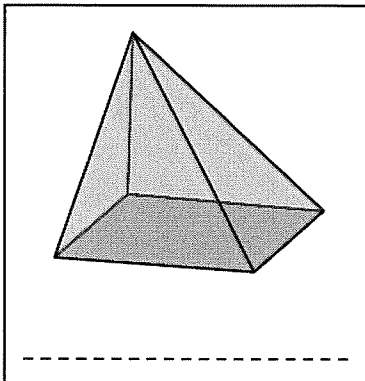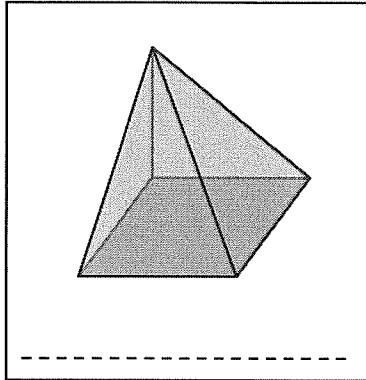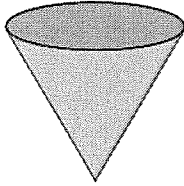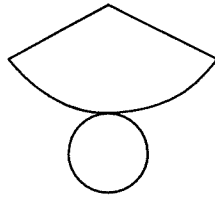|		
(hexagonal prism)	(triangular pyramid / tetrahedron)	(triangular pyramid)
------------------	------------------	------------------
(rectangular pyramid)	(cube)	(octagonal prism)
------------------	------------------	------------------
(octagonal pyramid)	(pentagonal prism)	(hexagonal pyramid)
------------------	------------------	------------------
(pentagonal pyramid)	(rectangular prism)	(triangular prism)
------------------	------------------	------------------
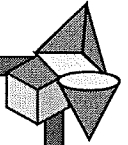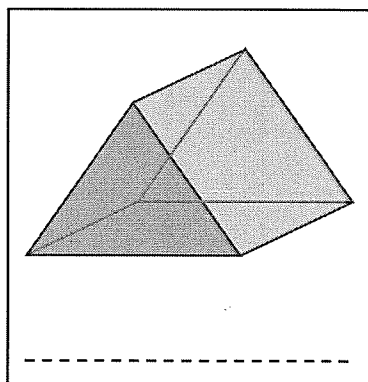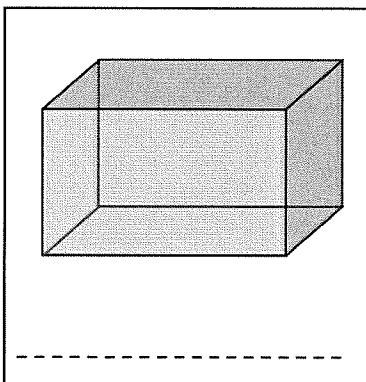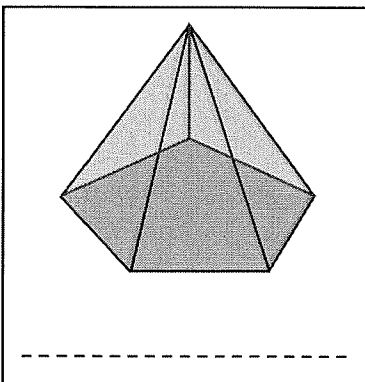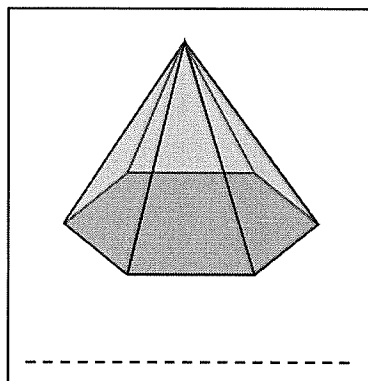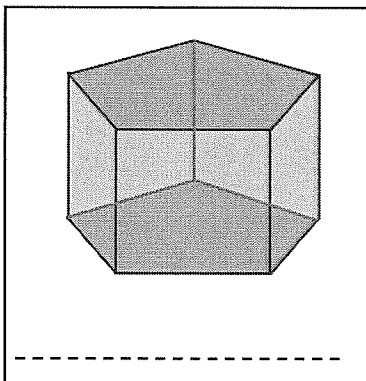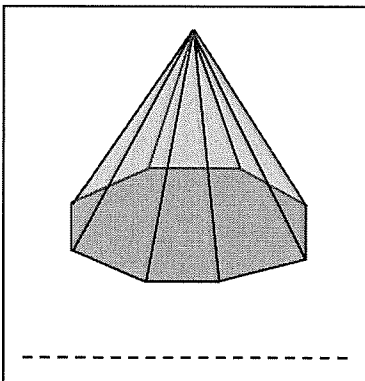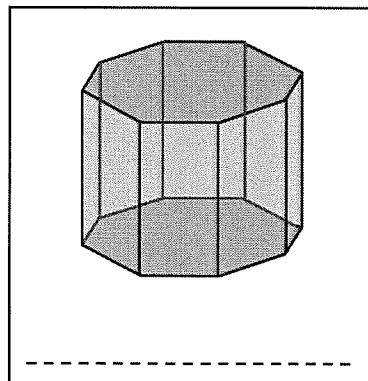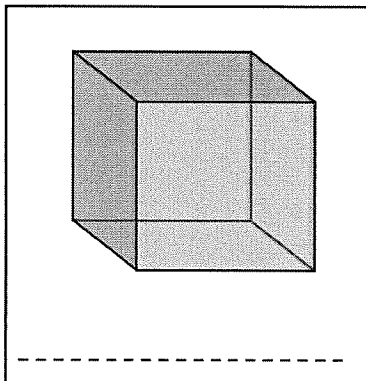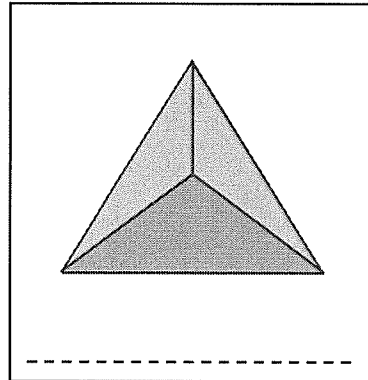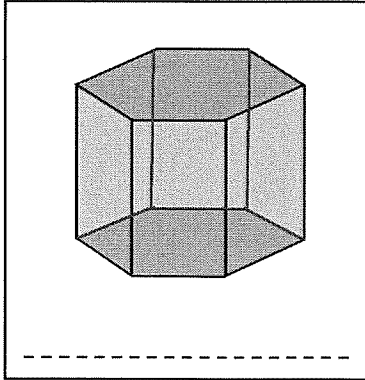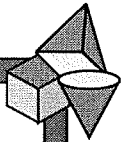
Name : _____

Choose the correct net for each solid shape.
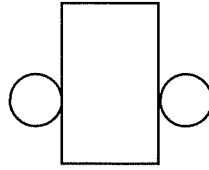
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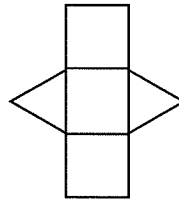
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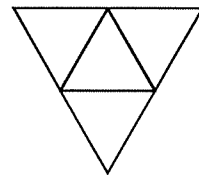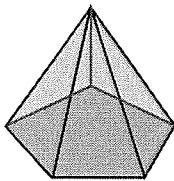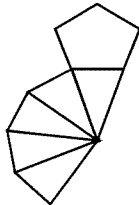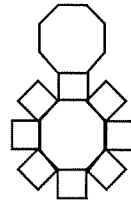
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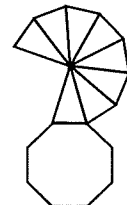
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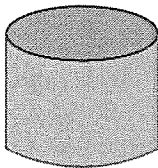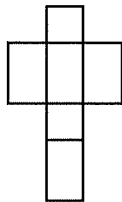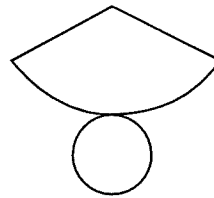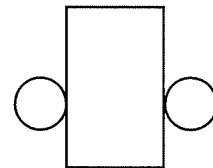
5)   a)   b)   c)
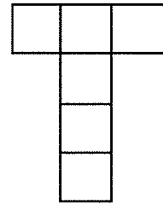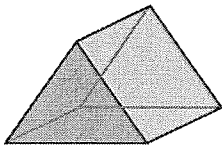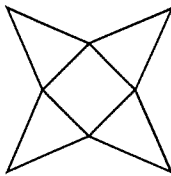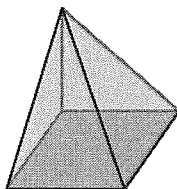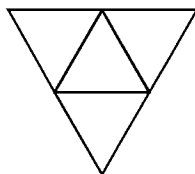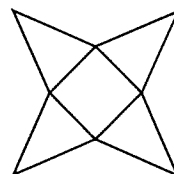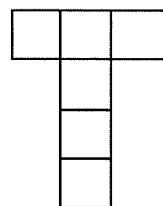
6)   a)   b)   c)
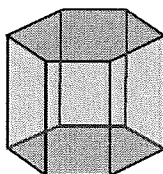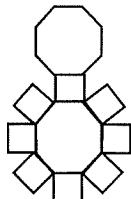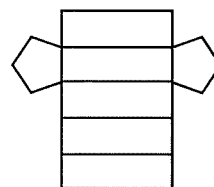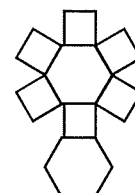
7)   a)   b)   c)
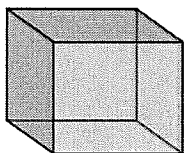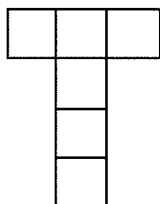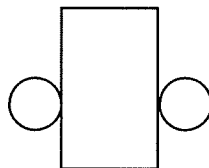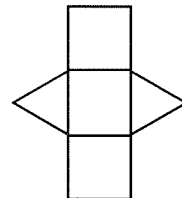
Surface Area - Prism

Find the exact surface area of each prism.

1)
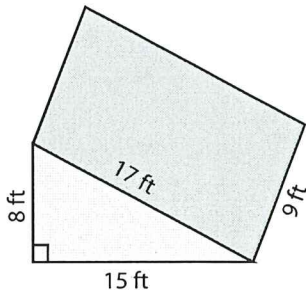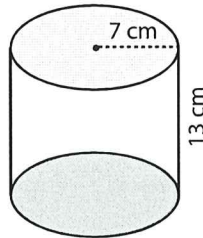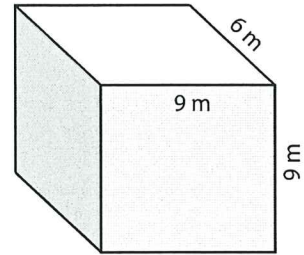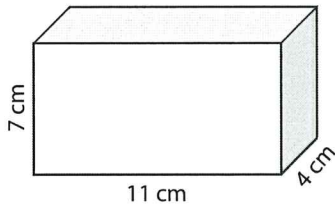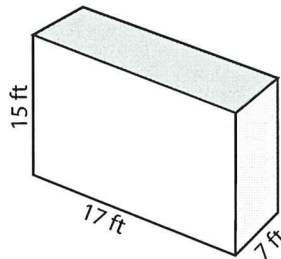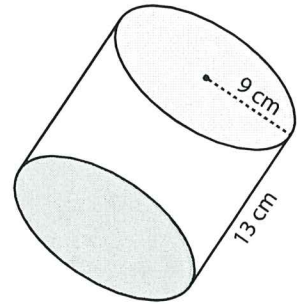
8 ft, 17 ft, 9 ft, 15 ft

Surface Area = _____

2)

7 cm, 13 cm

Surface Area = _____

3)

6 m, 9 m, 9 m

Surface Area = _____

4)

7 cm, 11 cm, 4 cm

Surface Area = _____

5)

15 ft, 17 ft, 7 ft

Surface Area = _____

6)

9 cm, 13 cm

Surface Area = _____

7)

13 in, 12 in, 15 in, 10 in, 14 in

Surface Area = _____

8)

5 ft, 9 ft, 5 ft

Surface Area = _____

9)

17 m, 15 m, 17 m, 11 m, 16 m
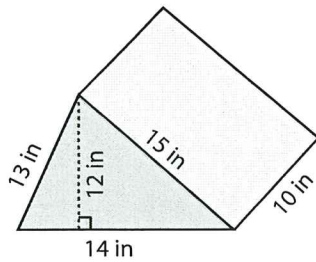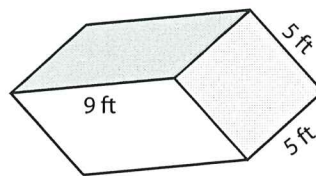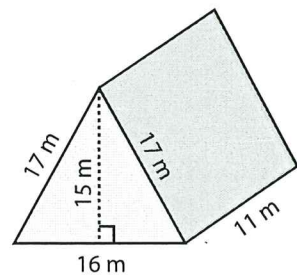
Surface Area = _____

Name : _____

Volume of Prism

Find the exact volume of each prism.

1)
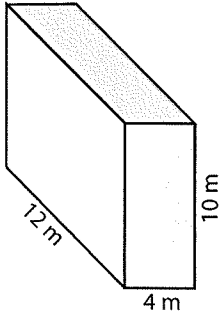
12 m / 10 m / 4 m

Volume = _____

2)

8 cm / 14 cm

Volume = _____

3)

13 mm / 10 mm / 10 mm

Volume = _____

4)

11 cm / 13 cm / 12 cm

Volume = _____

5)

2 in / 14 in / 7 in

Volume = _____

6)

10 ft / 5 ft / 5 ft

Volume = _____

7)

4 ft / 11 ft / 8 ft

Volume = _____

8)

9 cm / 15cm / 4 cm

Volume = _____

9)

5 in / 9 in
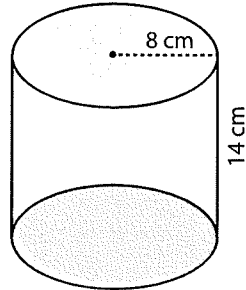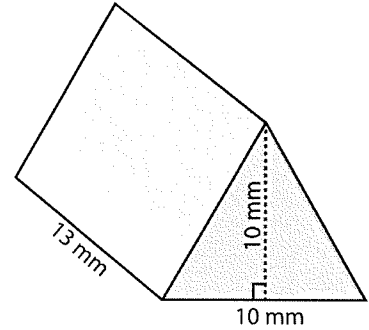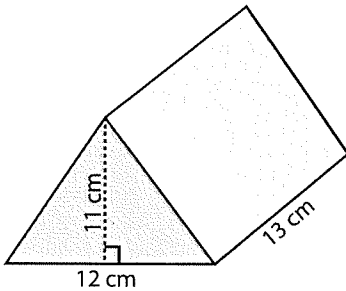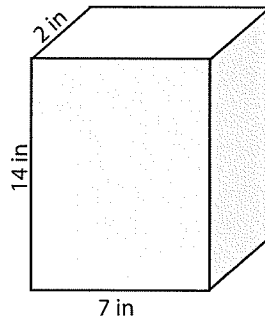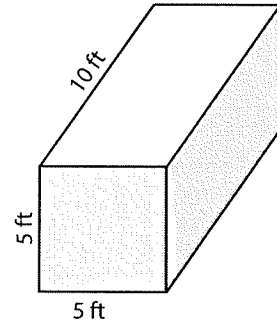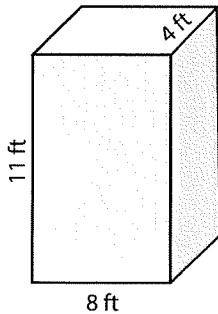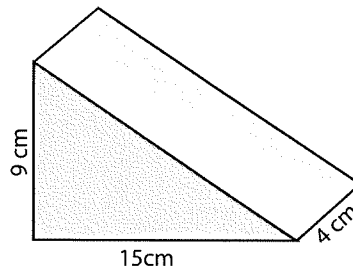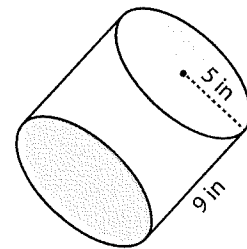
Volume = _____

Proficient

Surface Area - Prism

Find the surface area of each prism. Round the answer to nearest tenth. (use π =3.14)
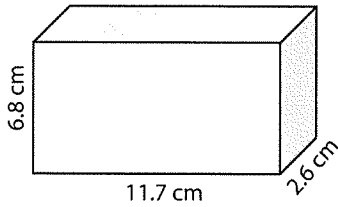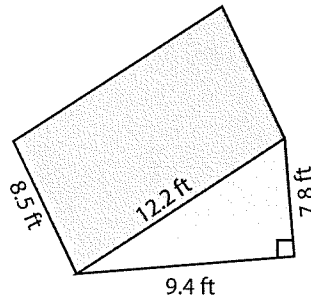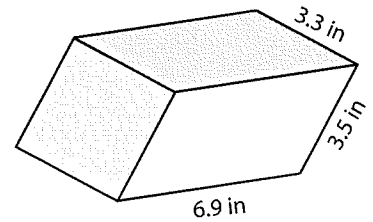
1)

6.8 cm
11.7 cm
2.6 cm

Surface Area = _____

2)

8.5 ft
12.2 ft
7.8 ft
9.4 ft

Surface Area = _____

3)

3.3 in
3.5 in
6.9 in

Surface Area = _____

4)

7.2 in
6.1 in
15.2 in
11.4 in
17.9 in

Surface Area = _____

5)

7.6 m
11.3 m
11.3 m

Surface Area = _____

6)

4.5 cm
9.8 cm

Surface Area = _____

7)

11.6 ft
15.3 ft
4.2 ft

Surface Area = _____

8)

2.3 m
5.8 m

Surface Area = _____

9)

14.9 cm
13.6 cm
14.9 cm
14 cm
12.6 cm
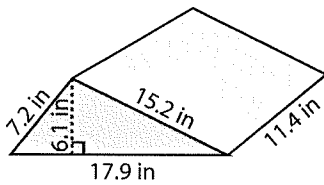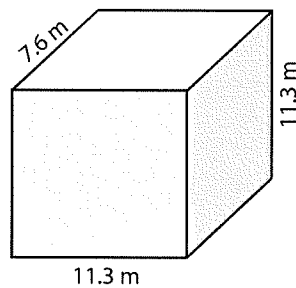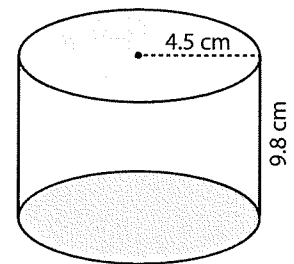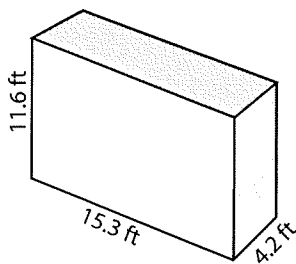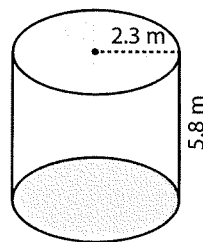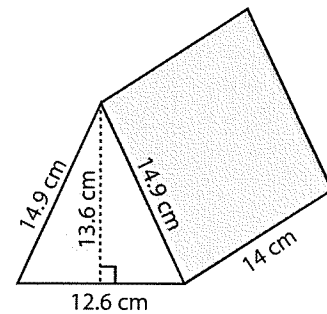
Surface Area = _____

Name : _____

Proficient

Volume of Prism

Find the volume of each prism. Round the answer to nearest tenth. (use π =3.14)
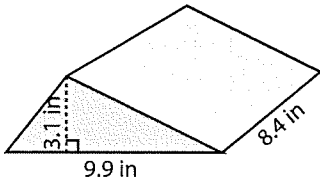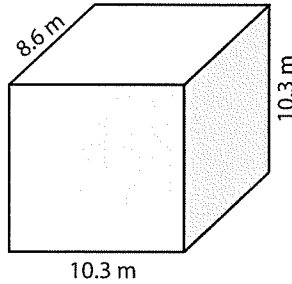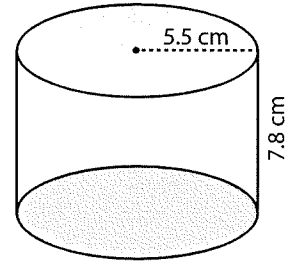
1)

3.1 in
9.9 in
8.4 in

Volume = _____

2)

8.6 m
10.3 m
10.3 m

Volume = _____

3)

5.5 cm
7.8 cm

Volume = _____

4)

3.3 m
6.8 m

Volume = _____

5)

11.6 ft
14.3 ft
4.2 ft

Volume = _____

6)

13.6 cm
12.6 cm
13.8 cm

Volume = _____

7)

10.5 ft
8.8 ft
11.4 ft

Volume = _____

8)

4.3 in
4.5 in
8.9 in

Volume = _____

9)

5.8 cm
10.7 cm
2.6 cm
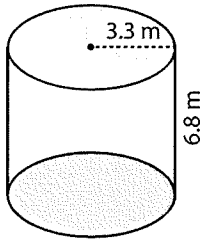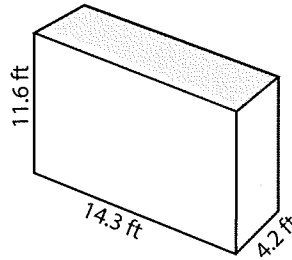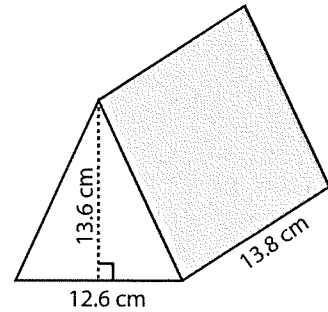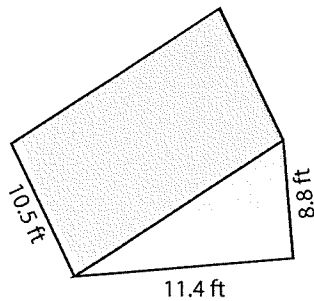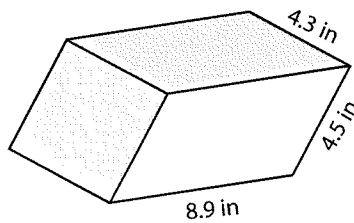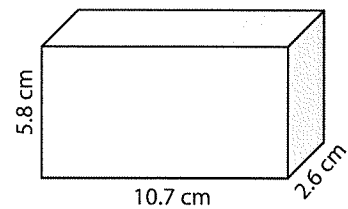
Volume = _____

Name : _____

Surface Area - Triangular Prisms
Sheet 1

Find the height and calculate the surface area of each triangular prism. Round your answer to two decimal places.

1)
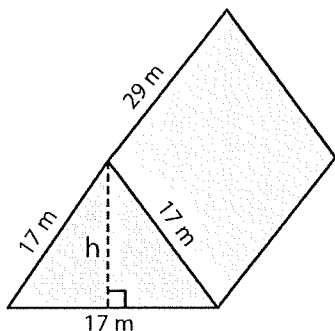
29 m
17 m
17 m
h
17 m

Height (h) = _____

Surface Area = _____

2)
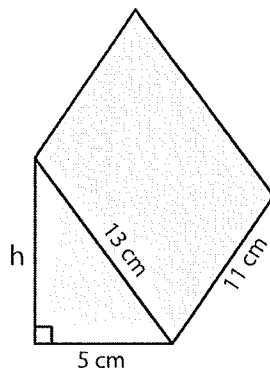
h
13 cm
11 cm
5 cm
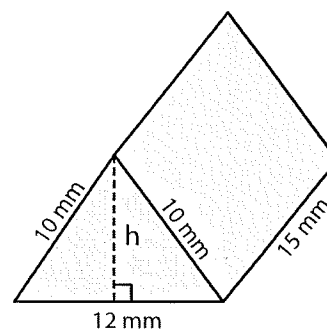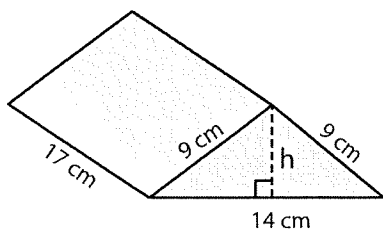
Height (h) = _____

Surface Area = _____

3)

10 mm
h
10 mm
15 mm
12 mm

Height (h) = _____

Surface Area = _____

4)

17 cm
9 cm
9 cm
h
14 cm

Height (h) = _____

Surface Area = _____

5)

7 mm
h
7 mm
7 mm
5 mm

Height (h) = _____

Surface Area = _____

6)

10 m
14 m
h
8 m

Height (h) = _____

Surface Area = _____

7)

15 mm
25 mm
h
9 mm

Height (h) = _____

Surface Area = _____

8)

13 m
13 m
16 m
h
10 m
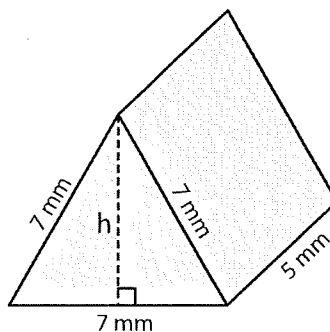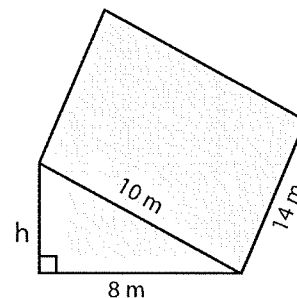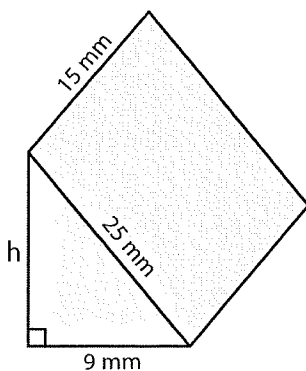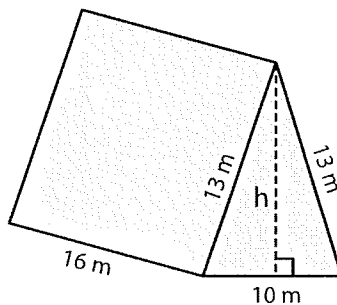
Height (h) = _____

Surface Area = _____

9)

17 cm
12 cm
12 cm
h
12 cm
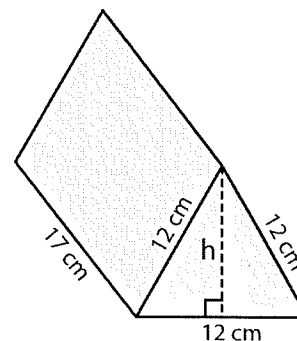
Height (h) = _____

Surface Area = _____

Name : _____

Surface Area - Cylinder

Sheet 1

A) Find the indicated measure. (use π = 3.14)

1) Surface Area = 502.4 mm²
2) Surface Area = 188.4 cm²
3) Surface Area = 376.8 m²

3 cm

5 mm

4 m
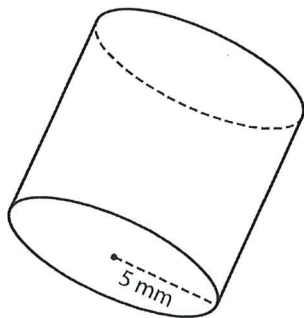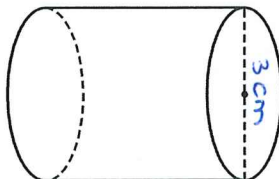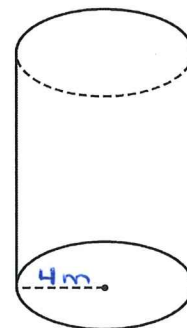
height = _____   height = _____   height = _____

B) Find the indicated measure. (use π = 3.14)

4) Surface Area = 401.92 mm², diameter = 8 mm
5) Surface Area = 628 cm², radius = 5 cm

height = _____   height = _____

6) Surface Area = 320.28 cm², diameter = 6cm
7) Surface Area = 565.2 mm², radius = 6 mm

height = _____   height = _____

8) Find the height of a cylinder whose surface area is 1,444.4 m² and diameter is 20 m.

_____

Printable Worksheets @ www.mathworksheets4kids.com

Name: _____

Volume - Prism

Find the value of x.

1) Volume = 884 in³

$x =$ _____

2) Volume = 3,696 ft³

16 ft
11 ft
x

$x =$ _____

3) Volume = 2,900 yd³

x
x
29 yd

$x =$ _____

4) Volume = 1,260 ft³

10 ft
9 ft
x
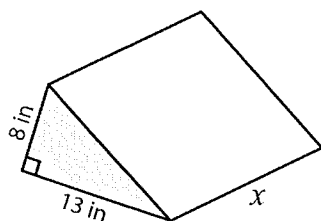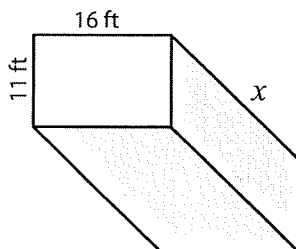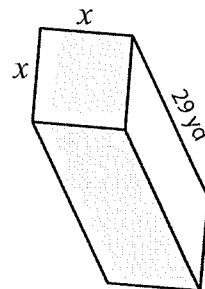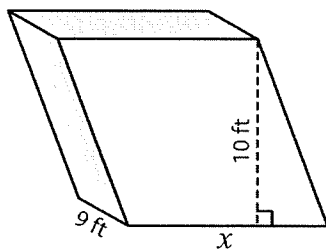
$x =$ _____

5) Volume = 10,648 yd³

x
x
x

$x =$ _____

6) Volume = 1,512 in³

18 in
14 in
x
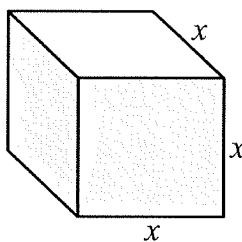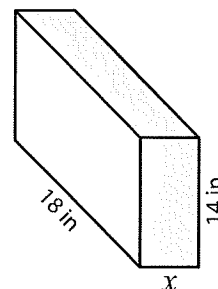
$x =$ _____

7) If the volume of the square prism is 7,600 cubic inches and the length of the prism is 19 inches, find the side length of the square.

_____

8) Find the length of the parallelogram prism if its volume is 10,752 cubic feet and its base and height are 24 feet and 16 feet respectively.

_____

Name : _____

Volume - Cylinder

A) Find the indicated measure. Round your answer to the nearest tenth.
(use $\pi = 3.14$)

1) Volume = 2,189.25 in³   2) Volume = 538.1 ft³   3) Volume = 32,167 yd³

height = _____   radius = _____   diameter = _____
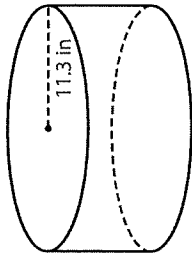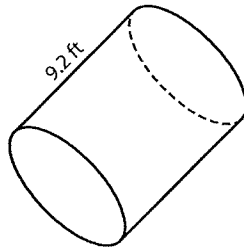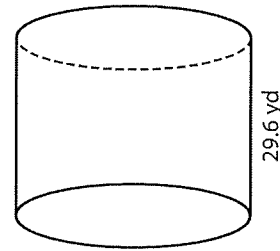
B) Find the indicated measure. Round your answer to the nearest tenth.
(use $\pi = 3.14$)

4) Volume = 453.42 in³ ; height = 8 in   5) Volume = 15,958.07 ft³ ; radius = 19.1 ft

diameter = _____   height = _____

6) Volume = 827.5 yd³ ; diameter = 10.8 yd   7) Volume = 7,454.17 in³ ; height = 7.5 in

height = _____   radius = _____

8) Pouring 197.92 cubic inches of cement into a cylindrical mold, Ryan makes a 3-inch
radius structure. Find the height of the structure. Round your answer to the nearest tenth.
(use $\pi = 3.14$)

_____