

Name: _____

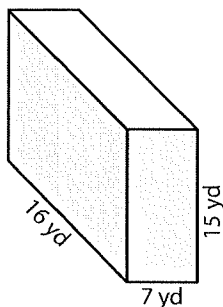
Developing/Proficient

Volume - Rectangular Prism

ES2

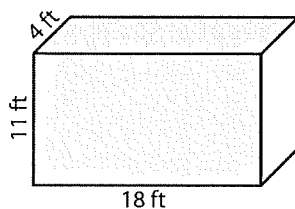
A) Find the volume of each rectangular prism.

1)



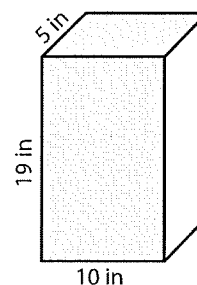
Volume = _____

2)



Volume = _____

3)



Volume = _____

B) Find the volume of each rectangular prism from the given parameters.

4) width = 4 ft ; height = 15 ft ; length = 8 ft

Volume = _____

5) length = 18 yd ; height = 6 yd ; width = 7 yd

Volume = _____

6) length = 12 in ; width = 3 in ; height = 7 in

Volume = _____

7) height = 14 ft ; width = 5 ft ; length = 9 ft

Volume = _____

8) Find the volume of a rectangular prism whose length, width and height are 20 yards, 17 yards and 13 yards respectively.

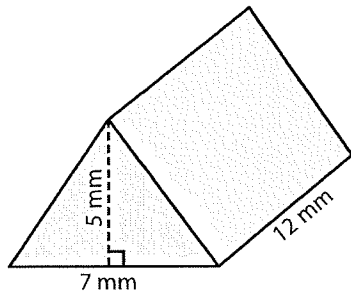
Name : _____

Volume - Triangular Prism

ES1

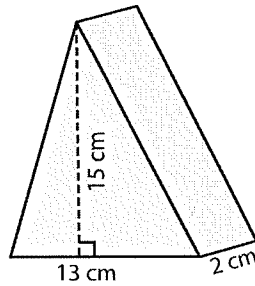
Find the volume of each triangular prism.

1)



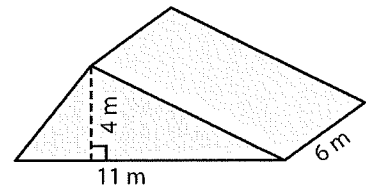
Volume = _____

2)



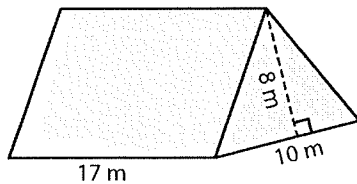
Volume = _____

3)



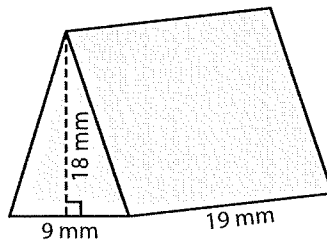
Volume = _____

4)



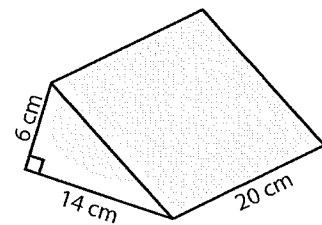
Volume = _____

5)



Volume = _____

6)



Volume = _____

- 7) The base of a prism is a right triangle with legs measuring 16 cm and 4 cm. If the height of the prism is 14 cm, find its volume.

- 8) The base of a prism is a triangle with a base of 9 mm and a height of 5 mm. Determine the volume if its length is 18 mm.

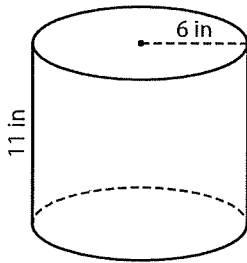
Name : _____

Volume - Cylinder

Integers: ES1

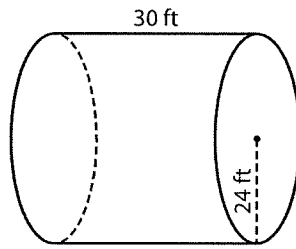
A) Find the volume of each cylinder. (use $\pi = 3.14$)

1)



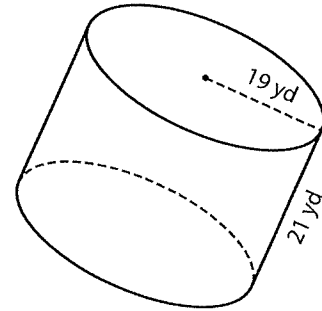
Volume = _____

2)



Volume = _____

3)



Volume = _____

B) Find the volume of each cylinder from the given parameters. (use $\pi = 3.14$)

4) height = 9 ft ; radius = 3 ft

Volume = _____

5) radius = 13 yd ; height = 8 yd

Volume = _____

6) radius = 16 in ; height = 27 in

Volume = _____

7) height = 15 ft ; radius = 10 ft

Volume = _____

8) A cylindrical flower vase is 11-inch tall. Find the volume of the vase if the radius is 4 inches. (use $\pi = 3.14$)

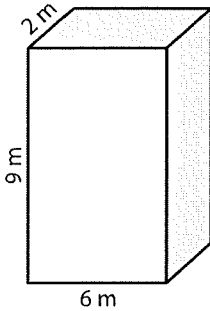
Name : _____

Volume - Prisms and Cylinders

Integers: L1S1

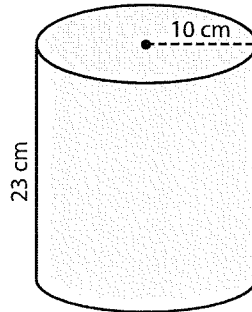
Find the volume of each shape. (use $\pi = 3.14$)

1)



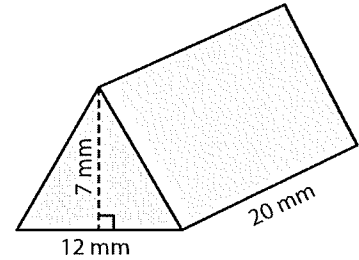
Volume = _____

2)



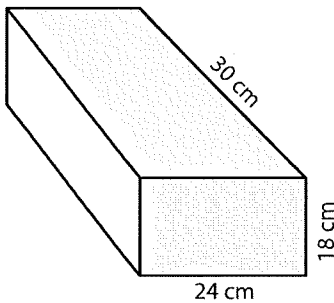
Volume = _____

3)



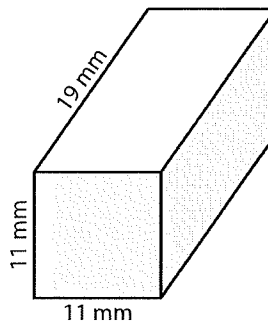
Volume = _____

4)



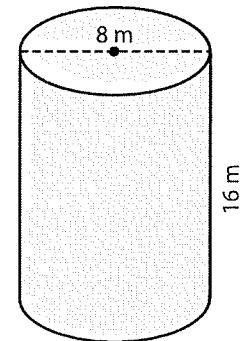
Volume = _____

5)



Volume = _____

6)



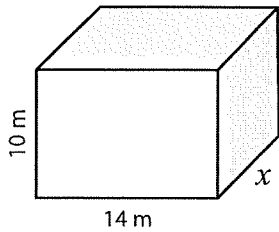
Volume = _____

7) The radius and height of a cylinder are 21 m and 5 m respectively. What is the volume of the cylinder? (use $\pi = 3.14$)

8) The base of a prism is a right triangle with legs measuring 3 cm and 4 cm. If the height of the prism is 13 cm, determine its volume.

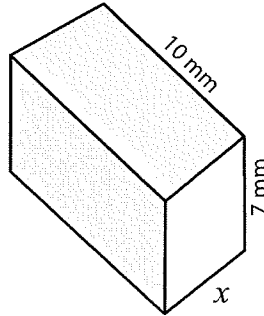
Volume - Rectangular PrismA) Find the value of x .

1) Volume = $1,260 \text{ m}^3$



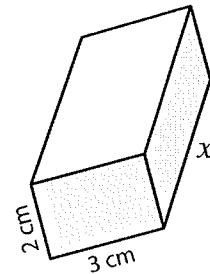
$x = \underline{\hspace{2cm}}$

2) Volume = 350 mm^3



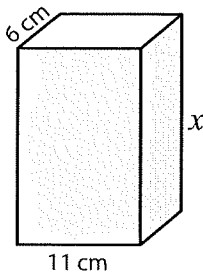
$x = \underline{\hspace{2cm}}$

3) Volume = 24 cm^3



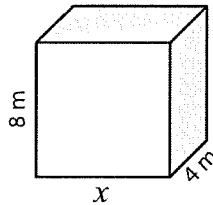
$x = \underline{\hspace{2cm}}$

4) Volume = $1,188 \text{ cm}^3$



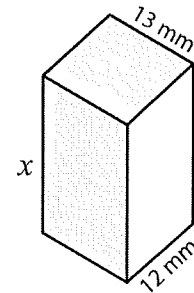
$x = \underline{\hspace{2cm}}$

5) Volume = 256 m^3



$x = \underline{\hspace{2cm}}$

6) Volume = $3,120 \text{ mm}^3$



$x = \underline{\hspace{2cm}}$

7) The width and height of a rectangular prism are 8 m and 15 m respectively. Find the length of the rectangular prism whose volume is $2,040 \text{ m}^3$.

8) A rectangular prism has a length of 16 mm and a height of 7 mm. If the volume of the rectangular prism is $1,120 \text{ mm}^3$, find its width.

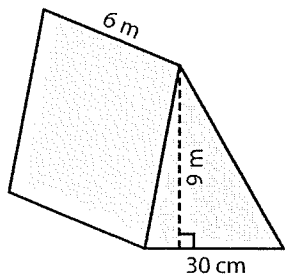
Name : _____

Volume - Triangular Prism

Sheet 1

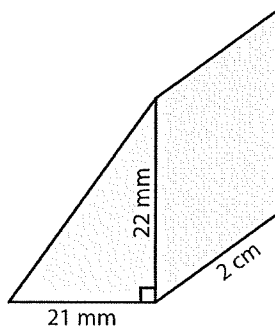
Find the volume of each triangular prism.

1)



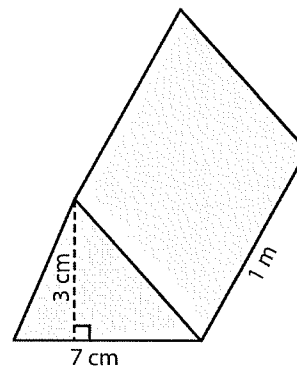
Volume = _____ m^3

2)



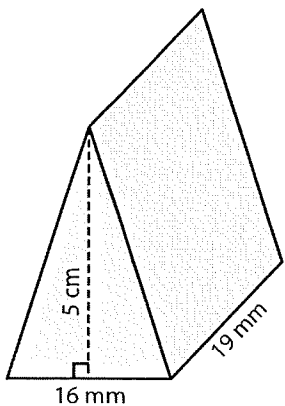
Volume = _____ mm^3

3)



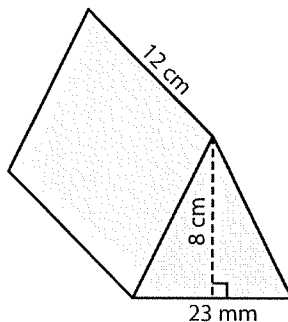
Volume = _____ cm^3

4)



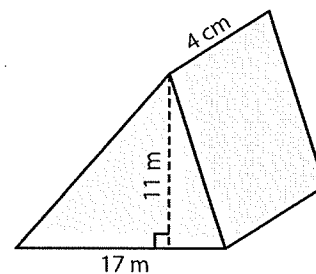
Volume = _____ mm^3

5)



Volume = _____ cm^3

6)



Volume = _____ m^3

- 7) The base of a prism is a right triangle with legs measuring 15 mm and 18 m. If the height of the prism is 20 m, find its volume in m^3 .

- 8) The base of a prism is a triangle with a base of 13 mm and a height of 25 mm. Determine the volume in mm^3 if its length is 3 cm.

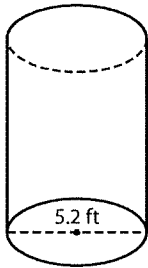
Name : _____

Volume - Cylinder

L2S1

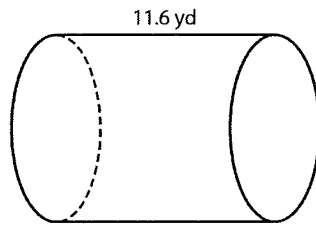
A) Find the indicated measure. Round your answer to the nearest tenth.
(use $\pi = 3.14$)

1) Volume = 157 ft^3



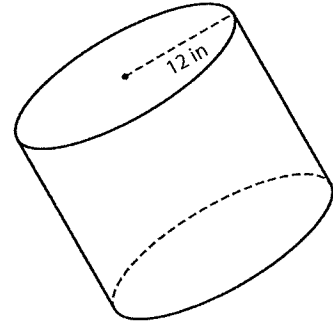
height = _____

2) Volume = 910.6 yd^3



diameter = _____

3) Volume = 9820.58 in^3



height = _____

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

4) Volume = $41,436 \text{ ft}^3$; radius = 22.5 ft

height = _____

5) Volume = 68.13 yd^3 ; height = 2.4 yd

radius = _____

6) Volume = $5,126.62 \text{ in}^3$; height = 17 in

diameter = _____

7) Volume = $8,011.96 \text{ ft}^3$; diameter = 30.2 ft

height = _____

8) A cylindrical oil pipe measures 4 feet in diameter and 251.2 cubic feet in volume. What is the height of the oil pipe? Round your answer to the nearest tenth. (use $\pi = 3.14$)

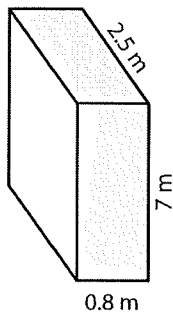
Name : _____

Volume - Prisms and Cylinders

Decimals: L1S1

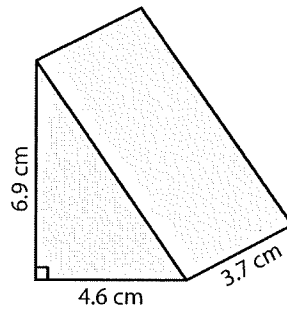
Find the volume of each shape. Round your answer to two decimal places. (use $\pi = 3.14$)

1)



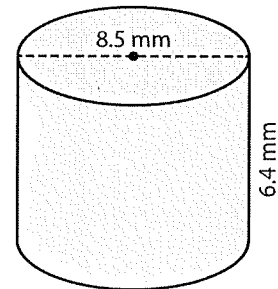
Volume = _____

2)



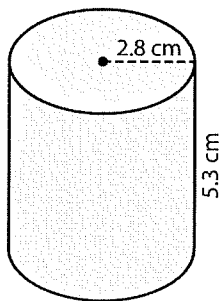
Volume = _____

3)



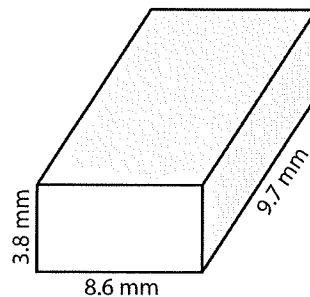
Volume = _____

4)



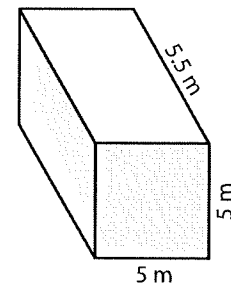
Volume = _____

5)



Volume = _____

6)



Volume = _____

- 7) The base of a prism is a triangle with a base of 9.1 cm and a height of 7.1 cm. If the height of the prism is 1.3 cm, find its volume. Round your answer to two decimal places.

- 8) The diameter of a cylinder is 4.2 mm. If the height of the cylinder is 2.9 mm, determine its volume. Round your answer to two decimal places. (use $\pi = 3.14$)
