

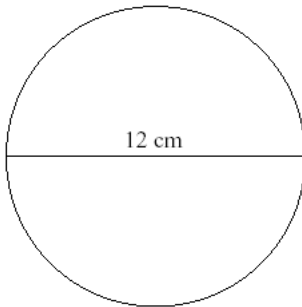
Name: _____ Period: _____

Unit 10 Study Guide

Area & Perimeter

Find the area and perimeter of each shape below. You may leave the solution in terms of π or use 3.14 to approximate it. Please label all units appropriately.

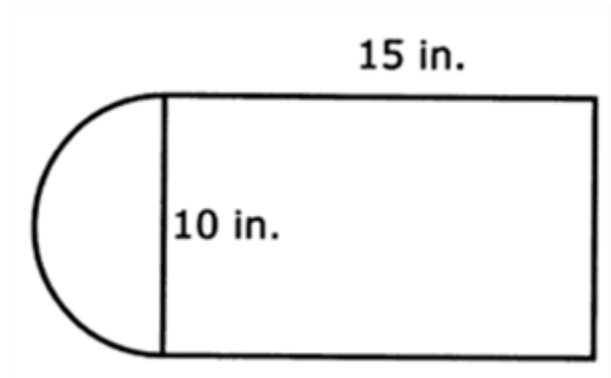
1.)



C = _____

A = _____

2.)



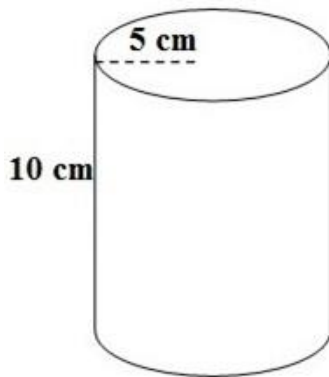
P = _____

A = _____

Volume: Composite, cylinders, sphere, prisms

For each find the volume. Find the surface area of 4.. You may leave in terms of π or use 3.14 to approximate for π . Please label units appropriately.

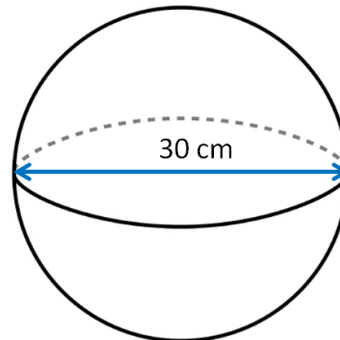
3.)



Surface Area = _____

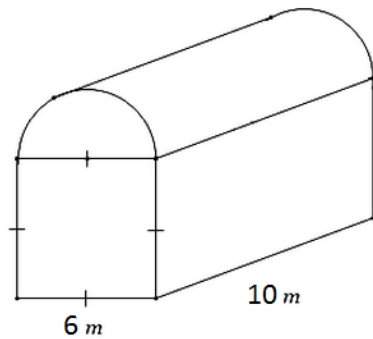
Volume = _____

4.)



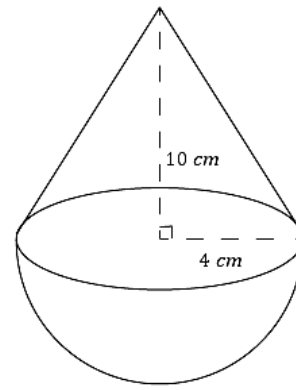
Volume = _____

5.)



Volume = _____

6.)



Volume = _____

Review: Equations, Order of Operations, Proportional Reasoning, Real number system

7.) -2 is which of the following:

- a) Natural b) Whole c) integer d) rational e) irrational f) real

8.) $-\frac{2}{3}$ is which of the following:

- a) Natural b) Whole c) integer d) rational e) irrational f) real

9.) 5 is which of the following:

- a) Natural b) Whole c) integer d) rational e) irrational f) real

10.) 0 is which of the following:

- a) Natural b) Whole c) integer d) rational e) irrational f) real

11.) 5.32 is which of the following:

- a) Natural b) Whole c) integer d) rational e) irrational f) real

12.) $\sqrt{5}$ is which of the following:

- a) Natural b) Whole c) integer d) rational e) irrational f) real

13.) solve for x: $\frac{x}{5} = \frac{4}{30}$

14.) solve for x: $\frac{x}{3.5} = \frac{4}{8}$

15.) Simplify: $-6^2 \div (\frac{1}{3})^2 - 2(2 + 1)$

16.) Solve for x: $\frac{4x}{5} + \frac{3}{2} = \frac{3x+5}{4}$

17.) Solve for x: $\frac{x}{2} + \frac{3}{4} = \frac{2x+1}{4}$

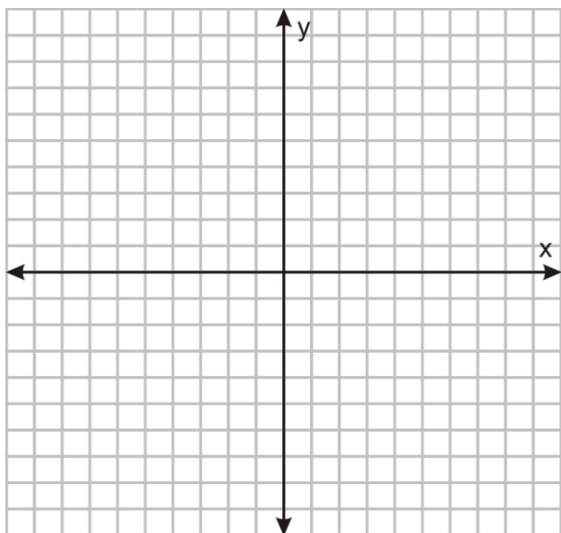
18.) Simplify: $-5 - |-2 \cdot 4 + (-5)|$

19.) Simplify: $-|2 - (-6)| - |-2 \cdot 4 - 5|$

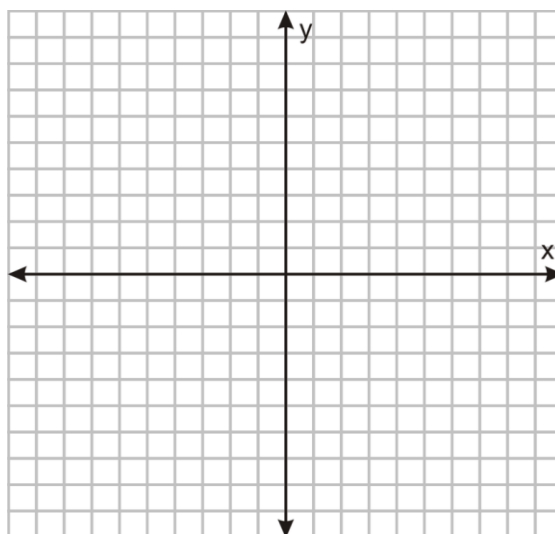
20.) If 18 apples cost \$4.68, compute cost per apple.

21.) If 23 pears cost \$23.92, compute cost per pear.

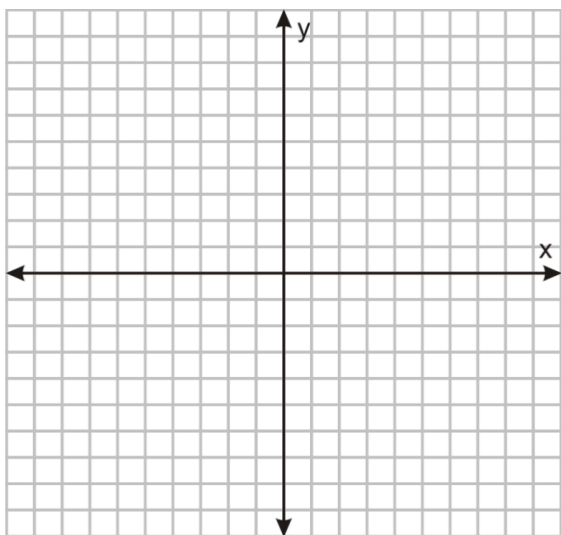
22.) Graph: $y = -\frac{2}{3}x + 4$



23.) Graph: $y = \frac{1}{5}x - 2$



24.) Graph: $y = \frac{2}{5}x + 1$



25.) Graph: $y = -\frac{2}{5}x - 2$

