

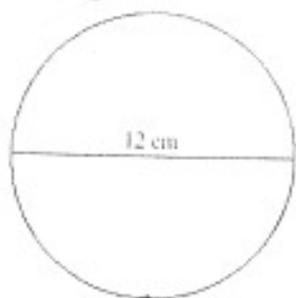
Name: _____ Number: _____ Period: _____ Date: _____

Unit 10 Study Guide

Area & Perimeter

Find the area and perimeter of each shape below. Use the π button on your calculator. Round your answer to the nearest hundredths place.

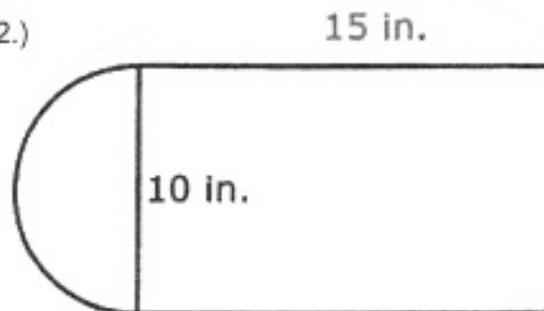
1.)



C= _____

A= _____

2.)



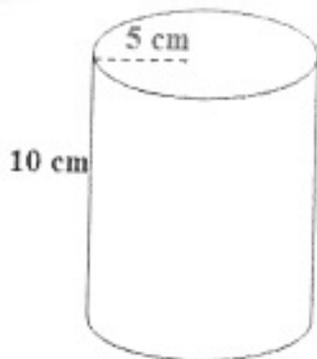
P= _____

A= _____

Volume: Composite, cylinders, sphere, prisms

For each find the volume. Find the surface area of 3. Use the π button on your calculator. Round your answer to the nearest hundredths place.

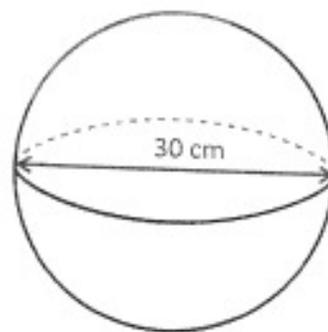
3.)



Surface Area= _____

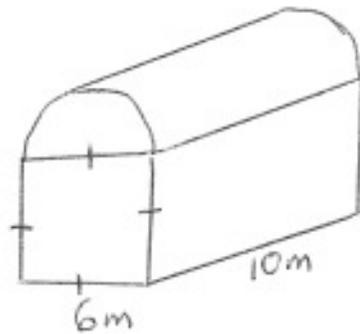
Volume= _____

4.)



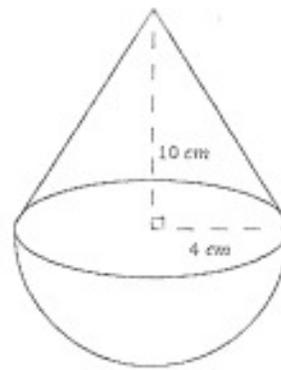
Volume= _____

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.) $\sqrt{3}$ 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: $-6^2 + \left(\frac{1}{3}\right)^2 - 2(2+1)$

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

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

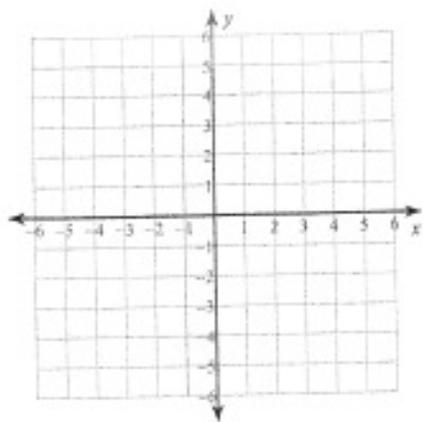
18.) Simplify: $-5 - |-2 \cdot 4 + (-5)|$

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

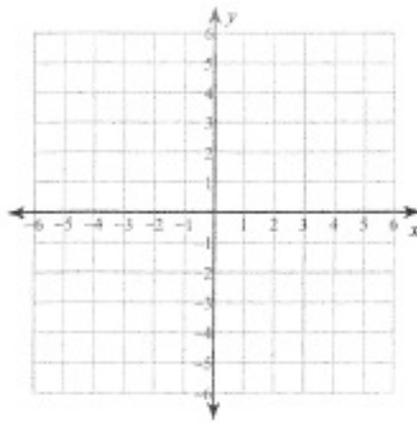
20.) If 18 apples cost \$4.68, compute cost per apple.

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

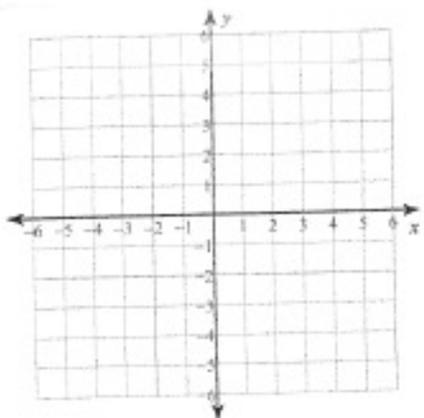
22.) Graph: $y = -\frac{2}{3}x + 4$



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



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



25.) Graph: $y = -\frac{2}{3}x - 2$

