

NAME _____

MATH 095
CHAPTER 5 REVIEW
SHOW ALL WORK

Write the decimal in words.

1) 2.00671

Write the decimal in numbers.

2) Six and five hundred sixteen ten-thousandths

Write the decimal as a fraction or mixed number in lowest terms.

3) 0.46

Insert $<$, $>$, or $=$ between the pair of numbers to form a true statement.

4) 0.409 _____ 0.40900

Round the decimal to the given place value.

5) 65.9804 , nearest hundredth

Perform the indicated operation.

6) $62.28 + 87.08 + 38.482$

7) $900 - 97.627$

Determine whether the given value is a solution to the given equation.

8) Is 7 a solution to $x + 5.1 = 12.7$?

Solve.

- 9) Last year, Lance's average telephone bill was \$179.25. In October, his telephone bill was \$232.04. How much more than last year's average was the October bill?

Multiply.

10)

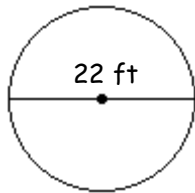
$$\begin{array}{r} 0.063 \\ \times 8.2 \\ \hline \end{array}$$

11) 5.1×100

12) $(810.30)(-0.001)$

Find the circumference of the circle. Then use the approximation 3.14 for π and approximate the circumference.

13)



Solve.

- 14) The nutrition chart on a bag of flavored nacho chips says that each serving contains 0.26 grams of sodium. The chart also says that there are 3 servings in the bag. How many grams of sodium are in the entire bag of nacho chips?

Divide.

15) $4.83 \div 1.5$

Divide, and round the quotient as indicated.

16) Divide 7.86 by 0.031 and round the quotient to the nearest hundredth.

Divide.

17) $-68.792 \div 1000$

Solve.

18) Tom buys \$10.20 worth of gasoline for his car. If the gas station charges \$1.479 per gallon, how many gallons did he get? (Round to the nearest tenth.)

Simplify the expression.

19) $2.8(9 - 8.5)$

Write the fraction as a decimal. Round to the nearest thousandth, if necessary.

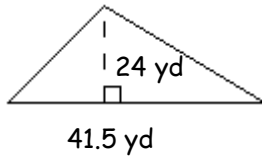
20) $\frac{26}{31}$

Insert <, >, or = between the pair of numbers to form a true statement.

21) $\frac{69}{8}$ _____ 8.624

Find the area of the triangle or rectangle. Round to the nearest thousandth, if necessary.

22)



Solve the equation by first multiplying both sides through by an appropriate power of 10 so that the equation contains integers only.

23) $0.7x + 0.3 = -0.4$

Find the mean. If necessary, round to one decimal place.

24) 16, 4, 23, 16

Find the median. If necessary, round to one decimal place.

25) 7, 8, 16, 27, 39, 41, 47

Find the mode or modes (if any).

26) 93, 49, 32, 49, 29, 93