Various algebra / math problems

I need help in completing the following exercises. I need to use the Equation Editor in Microsoft® Word to do these problems and then submit a Word document, showing the work and answers.

Please help me by actually working the problems with Microsoft Equation Editor & replying with a word attachment. Thank you.

1. Porfirio went shopping for some clothes. He bought a shirt for $59.98, a pair shoes for $93.19, a hat for $22.95, a coat for $120.85, and socks for $11.29. Estimate to the nearest dollar the total amount of Porfirio's purchases.

A) $318 B) $298 C) $309 D) $308

Show work:

2. Divide.



A) 12

B) 10

C) 6

D) 11

Show work:

3. Do the indicated subtraction.



A) 385

B) 395

C) 375

D) 285

Show work:

4. Choose the correct list of the factors of the number 8.

A) 2, 2, and 2

B) 1, 2, and 8

C) 1, 2, 4, and 8

D) 1 and 8

Show work:

5. A custom order requires  grams of material that costs ¢ per gram. Find the total cost of the material.

A) ¢

B) ¢

C) ¢

D) 143¢

Show work:

6. Add.



A) 

B) 

C) 

D) 

Show work:

7. Add.



A) 

B) 

C) 

D) 

Show work:

8. Find the least common ***multiple*** of 3, 6, and 9.

A) 18

B) 36

C) 9

D) 27

Show work:

9. If 1 gallon (gal) of water weighs 8.34 pounds (lb), how much does 3.75 gal weigh?

A) 30.125 lb

B) 15 lb

C) 31.275 lb

D) 12.09 lb

Show work:

10. Write in decimal form.



A) 8.583

B) 8.0583

C) 8.00583

D) 85,830

Show work:

11. Carlos works 8.25 hours and receives $102.30 pay. What will he receive at the same rate if he works if he works 14 hours?

A) $189.10

B) $204.60

C) $173.60

D) $158.10

Show work:

12. A computer transmits 11 Web pages in 4 seconds to a Web server. A second computer transmits 33 pages in 8 seconds to the server. Are these two computers transmitting at the same speed?

A) No

B) Yes

Show work:

13. Which pair of fractions is proportional?

A) 

B) 

C) 

D) 

Show work:

14. 1,872 is what percent of 520?

A) 67.392%

B) 360%

C) 36%

D) 673.92%

Show work:

15. Due to dwindling reserves of copper ore, the price of a 100-foot spool of copper wire increased 20% this year to $144. What was the old price (last year's price) for a 100-ft spool of wire?

A) $130

B) $145

C) $120

D) $115

Show work:

16. You buy a square lot that is 154 yd on each side. What is its size in acres?

A) 2.45 acres

B) 9.8 acres

C) 4.9 acres

D) 53.9 acres

Show work:

17. Is the following set of numbers a perfect triple?

8, 10, 12

A) No

B) Yes

Show work:

18. Are the following two lines parallel, perpendicular, or neither?



A) Neither

B) Parallel

C) Perpendicular

Show work:

19. Find the mean of the following set of numbers.

13, 15, 18, 18, 18, 19, 22, 26, 28, 33

A) 20.6

B) 21

C) 20.3

D) 20

Show work:

20. Compute as indicated.



A) 

B) 

C) 

D) 

Show work:

21. Perform the indicated operation.



A) 1

B) 0

C) 

D) –1

Show work:

22. Add –81  (–13).

A) 94

B) –94

C) 68

D) –68

Show work:

23. Add 

A) 

B) 

C) 

D) 

Show work:

24. Perform the indicated operation.



A) 

B) Undefined

C) 5

D) 

Show work:

25. Perform the indicated operation.



A) 12

B) –12

C) –64

D) 64

Show work:

(optional) 26. Identify the numerical coefficient of the expression. –7*t*2

A) *t*2

B) 2

C) –7

D) 7

Show work:

27. Which of the following are *not* like terms?

A) 2*b* and 2*b*

B) 3*c* and 2*c*

C) 2*b* and 3*b*

D) 2*b* and 2*c*

Show work:

28. Which number shown in parentheses is a solution of the given equation?

A)  (6)

B)  (9)

C)  (9)

D)  (6)

Show work:

29. 375 is what percent of 500?

A) 80%

B) 85%

C) 70%

D) 75%

Show work:

30. Use your calculator to evaluate the expression if *x*  1.55, *y*  2.61, and *z*  2.24. Round your answer to the nearest tenth.



A) 0.6

B) 0.2

C) 1.0

D) 0.5

Show work:

31. Sasha's score on a math test was 96, and Troy's score was 13 points less than Sasha's. What was Troy's score on the test?

Show work:

32. Do the indicated subtraction.



Show work:

33. Tile for a kitchen counter will cost $8 per square foot to install. If the counter measures 14 ft by 3 ft, what will the tile cost?

Show work:

34. Find two factors of 35 with a difference of 2.

Show work:

35. Multiply  Write your answer in simplest form.

Show work:

36. Identify the numerator and denominator of the fraction 

Show work:

37. Find the greatest common factor of 30, 45, and 50.

Show work:

38. Find the least common multiple of 2 and 7.

Show work:

39. Subtract. Write the answer in lowest terms.



Show work:

40. Add.



Show work:

41. For the decimal 2.84905:

What is the place value of 4?

Show work:

42. A stereo receiver selling for $445.50 is discounted (or marked down) to $401.95. What is the savings?

Show work:

43. Write the following as a common fraction or mixed number.

5.679

Show work:

44. Is the rate  equivalent to the rate ?

Show work:

45. Determine whether the pair of fractions is proportional: 

Show work:

46. Is the rate  equivalent to the rate ?

Show work:

47. Identify the base in the following application:

The sales tax rate in a state is 7.5%. If you pay a tax of $17.50 on an item that you purchase, what is its selling price?

Show work:

48. Write  as a percent.

Show work:

49. If $3,000.00 is deposited into an account paying 3% interest compounded annually (at the end of each year), how much money is in the account after 4 years? (Round to the nearest cent.)

Show work:

50. Write  as a percent.

Show work:

51. Complete the statement.

18 kg = \_\_\_\_\_\_\_\_ g

Show work:

52. Complete the following statement.

12 ft = \_\_\_\_\_\_\_\_ in.

Show work:

53. Complete the statement. (Round to the nearest hundredth.)

2.1 kg = \_\_\_\_\_\_\_\_ oz

Show work:

54. Complete the following statement.

20 lb = \_\_\_\_\_\_\_\_ oz

Show work:

55. Complete the statement.

461 mm = \_\_\_\_\_\_\_\_ m

Show work: