Name Date

Practice Test

Unit

3

Solve the equation. Showing your work (properites & steps).

Answers

 1.

 2.

 3.

 4.

 5.

 6.

 7.

 8.

Don’t forget to check your solution.

 1.  2. 

 3.  4. 

 5.  6. 

 7.  8. 

**Solve the equation for the named variable. Showing your work** (**properites & steps).**

 9.  (y) 10. , 

Answers

 9.

 10.

 11.

 12.

 13. a.

 b.

 14.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 15.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 16.

 11. S = 2B + Ph, (h) 12. A = ½ bh, (b)

 The formula for simple interest is 

|  |  |
| --- | --- |
| ***I*** | $40 |
| ***P*** | ? |
| ***r*** | 4% |
| ***t*** | 2 |

1. Solve the formula for *P*.
2. Use the new formula to find the

 value of *P* in the table.

Word Problems: Define variables, set up equations and solve.

 14. The sum of two consecutive integers is 167. Find the two numbers.

 15. The sum of three consecutive odd integers is 27. Find the three numbers.

 16. You ate at a restaurant for a total of $8.48. Each slider was $2.30 and your fries cost $1.58. How many sliders did you eat?

Word Problems: Define variables, set up equations and solve.

Answers

 17.

 18.

 19.

 20.

17. Eight more than six times a number is 26. Find the number.

 18. For a field trip 5 students rode in cars and the rest filled three buses. How many

 students were in each bus if 185 students were on the trip?

 19. The cost of your new book bag is $11.50 more than the cost *c* of

your old book bag. You pay $47 for your new book bag. Write and

solve an equation to find the cost of your old book bag.

 20. The sum of the interior angles of the quadrilateral is  Find the value of *x.*

 