Translate Words to Math Homework

Multiple Choice
Identify the choice that best completes the statement or answers the question.

1. Cheyenne tells a joke to 5 people and those 5 people tell the joke to 5 more people, and so on. Which expression shows the number of people that will hear the joke after the sixth round?
   a. $5 \cdot 6$
   b. $6 \cdot 5$
   c. $5^6$
   d. $6^5$

2. Which phrase represents the expression $14x - 19$?
   a. fourteen times nineteen plus a number
   b. fourteen times nineteen minus a number
   c. nineteen less than a number multiplied by fourteen
   d. a number multiplied by fourteen then added to nineteen

3. Which phrase represents the expression $3x + 9$?
   a. three times nine plus a number
   b. a number multiplied by three then added to nine

4. Which phrase represents $n + 12$?
   a. the quotient of a number and 12
   b. the product of a number and 12

5. Which phrase represents $t \times 33$?
   a. the quotient of a number and 33
   b. the product of a number and 33
   c. the quotient of 33 and a number
   d. the difference of a number and 33

6. Which expression is equal to “13 more than the quotient of $n$ and 8”?
   a. $13n + 8$
   b. $n - 8 + 13$
   c. $n \times 8 + 13$
   d. $n + 8 + 13$

7. Which expression is equal to “five less than a number multiplied by 3”?
   a. $3(x - 5)$
   b. $5x - 3$
   c. $5 - 3x$
   d. $3x - 5$

8. Which expression is equal to “three less than a number multiplied by six”?
   a. $6(x - 3)$
   b. $6x - 3$
   c. $3 - 6x$
   d. $6 - 3x$

9. Which expression is equal to “8 less than the product of $y$ and 9”?
   a. $9 + y - 8$
   b. $8 - y + 9$
   c. $9y - 8$
   d. $8 - 9y$

10. Which expression is equal to “7 times the sum of a number and 4”?
    a. $7(x + 4)$
    b. $7 + n \times 4$
    c. $7n + 4$
    d. $4n + 7$

11. Write the phrase “$z$ divided by 2” as a numerical or algebraic expression.
    a. $z \div 2$
    b. $z + 2$
12. Which expression is equivalent to “5 times the difference between a number and 14”?
   a. $5(x - 14)$
   b. $5x - 14$
   c. $x - 14 \times 5$
   d. $\frac{x - 14}{5}$

13. Which means the “sum of 23 and $y$”?
   a. $23 + y$
   b. $23 + y$
   c. $23 - y$
   d. $23y$

14. Hendrick makes birdhouses. It takes him 35 minutes to make a birdhouse. What is an expression that shows how long it takes him to make $t$ birdhouses?
   a. $35 + t$
   b. $35t$
   c. $35 - t$
   d. $\frac{35}{t}$

15. What operation does the word “difference” indicate?
   a. addition
   b. subtraction
   c. multiplication
   d. division

16. Fernando bought a roll of film with $x$ pictures. He took 12 of them. Which expression represents the number of pictures left on the roll?
   a. $x + 12$
   b. $x - 12$
   c. $x + 12$
   d. $12x$

17. Which choice could be represented by the expression $x + 48$?
   a. Each book in a series has 48 pages. How many pages will you read if you read all the books in the series?
   b. You and your friends are evenly dividing $48$. How much does each person get?
   c. You need to save $48$ more dollars before you have enough money to buy the computer you want. How much does the computer cost?
   d. You have $48$. How much will you have after buying a present?

18. An airplane travels at 150 miles per hour. The number of hours at that rate is $h$. What is an expression for the number of miles traveled?
   a. $h + 150$
   b. $h - 150$
   c. $150h$
   d. $\frac{h}{150}$