Name _____ Date _____

Algebraic Expressions Practice

Write the expression for each phrase below.

1. seven less than a number _____

2. four times a number _____

3. three more than a number _____

4. twice a number _____

5. a number less than 9 _____

6. Which word describes the letter "*t*" in the expression below?

$9t$

A whole number
B operation
C algebra
D variable

7. Which of these could be solved using the open sentence 8 + 3 = c

A Allison had eight cookies. She gave three to her brother. How many cookies does she have left?
B Allison had eight cookies. Her brother gave three two more. How many does she have in all?
C Allision had eight cookies. She divided them among three friends. How many did each friend receive?
D Allison had eight cookies. Three of them had sprinkles. How many did not have sprinkles?

8. Tony has twice as many baseball cards in his collection as his friend Antwon. Antwon has 32 cards. Which number sentence could be used to find *b*, the number of baseball cards that Tony has?

A $b = 32 - 2$
B $b = 32 + 2$
C $b = 32 \times 2$
D $b = 32/2$

9. Which of the following expressions represents the phrase "8 more than a certain number"?

A 8 - n
B n - 8
C n + 8
D 8 + n

10. Which expression represents the problem situation (story) below?

There are some birds roosting in the tree. Twelve fly away. How many birds are left?

A x – 12
B x + 12
C 12 + x
D 12 – x

BONUS:

Write a problem situation (story) for the following expression:

16/n

_____

_____

_____

_____