Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Class Color:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Practice Quiz#1 – Unit 2**

**Simplify each expression** (show your work)

1. -3(b + 4) – 6 + 8b \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 2) - 5x + 3 + 7y –2x + -9 – 6y \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3) 8- (2a – 3) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 4) 4p² - 2p -10 – 14p² + 8 – 5p \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Translate each expression or equation**

5) 2 less than a number y \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6) The product of 8 and a number x \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7) The quotient of 9 and a number p is 54. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

8) 6 more than a number n times 3 is 16. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Identify the property - Matching**

8).  \_\_\_\_\_\_\_ a) Commutative property of addition

9).  \_\_\_\_\_\_\_ b) Identity property of addition

10).  \_\_\_\_\_\_\_ c) Distributive property

11).  \_\_\_\_\_\_\_ d) Zero property of multiplication

12).  \_\_\_\_\_\_\_ e) Associative property of addition

13).  \_\_\_\_\_\_\_ f) Identity property of multiplication

g) Commutative property of multiplication

**Simplify-Using the distributive property.**

14. 2(3a - 8) 14.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

15. -4(x + 5) 15.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

16. - (2y +7) 16.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

17. b (8a + 10) 17.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Evaluate the following expressions if a = -2, b = 5, c =- 4

18.  18.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

19.  19.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

20.  20.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_