Lesson 9.3 Practice: Writing Expressions

School Launch · Pre-Algebra · Unit 9: Variables and Expressions · Worksheet A

No calculator

Name _____ Date _____ Score _____ / 10

Show your work under each problem, one step per line, and check your answer. Word problems: name the unknown, write the equation, solve, and answer in a sentence with units.

1. Write an expression for "5 more than 4 times a number n." Then evaluate it for $n = 9$. EASY

2. Write an expression for "6 more than 7 times a number n." Then evaluate it for $n = 4$. EASY

3. Write an expression for "8 more than 7 times a number n." Then evaluate it for $n = 8$. EASY

4. Write an expression for "2 less than twice a number n." Then evaluate it for $n = 2$. MEDIUM

5. Write an expression for "the product of 6 and the sum of a number n and 5." Then evaluate it for $n = 4$. MEDIUM

6. Write an expression for "the quotient of a number n and 2, decreased by 6." Then evaluate it for $n = 6$. MEDIUM

7. Write an expression for "12 less than twice a number n." Then evaluate it for $n = 7$. MEDIUM

8. Write an expression for "the product of 4 and the sum of a number n and 10." Then evaluate it for $n = 3$. HARD

9. Write an expression for "the product of 4 and the sum of a number n and 4." Then evaluate it for $n = 9$. HARD

10. Write an expression for "the product of 8 and the sum of a number n and 2." Then evaluate it for $n = 7$. HARD