Mathematics

Power Standard 8:9

Pretest

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hour \_\_\_\_\_\_\_\_\_\_

1. Translate into an algebraic expression. Six less than the product of nine and four.
2. 6-(9·4)
3. (9·4)-6
4. (6-9)·4
5. (9+4)-6
6. Solve for x: –($\frac{2}{3}$)x+6=2
7. 6
8. 6.666667
9. 5.7
10. 2.8
11. Rita got 12 out of 15 correct on her math test. Express the number she got correct as a fraction in simplest form, as a decimal, and as a percent.
12. Draw a visual model to represent the following problem. Write and solve an equation that could be used to solve the problem.

The width of a rectangle is twice the length. The perimeter of the rectangle is 18”. What is the width and length of the rectangle?

1. The sum of two consecutive integers is 27. What are the two integers? Write and solve an equation that can be used to solve this problem.
2. Solve: show steps

6x + -2 + 2x = -2 + 4x + 8