Mathematics

Power Standard 8:9

Summative Test

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

1. Solve for x: 0.32x+0.07=0.55

A. 0.1984

B. 0.1536

C. 1.9375

 D. 1.5

1. Draw a visual model to represent the following problem. Write and solve an equation that could be used to solve the problem.

The three sides of a triangle are x, x+3, and 2x+4. The perimeter of the triangle is 27 inches. Find the measure of all three sides.

1. What two consecutive integers have a sum of 39? Write and solve an equation that can be used to solve this problem.
2. Solve: show work

100x + -89x = 121

1. Solve for x: -$ \frac{x}{3}$ + 4 = -5 Show steps:
2. The student council wants to rent a D.J. for their fall party. The D.J. charges $50 per hour. In addition to the hourly charge, there is a set-up fee of $100. Write and solve an equation showing how long the D.J. can stay if the student council has $300 to spend.