Mathematics

Power Standard 8:9

Pre-Formative Test

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

1. Solve for x: –($\frac{2}{3}$)x+6=2
2. 6
3. 6.666667
4. 5.7
5. 2.8
6. 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

1. Solve for x. -3x+2=11

 Show steps

1. Jean starts her savings account with $100. Starting the next week

 she deposits $20 in her account each week. Write and solve an

 equation showing how many weeks it will take until she has saved a

 total of $260.