CSS: Demonstrate my understanding that solutions to a system of two linear in two variables correspond to points of intersection of their graphs, because points of intersection satisfy both equations.

Name:	Date:	Per.:

LT Pre Test

Directions: Show what you know about the following topic by completing the problems below. Make sure to show all work.



CSS: Demonstrate my understanding that solutions to a system of two linear in two variables correspond to points of intersection of their graphs, because points of intersection satisfy both equations.



CSS: Demonstrate my understanding that solutions to a system of two linear in two variables correspond to points of intersection of their graphs, because points of intersection satisfy both equations.

5. Solve the system of linear equations algebraically.

$$\begin{aligned} x + y &= 27\\ y &= x + 3 \end{aligned}$$

(8.EE.8b)

6. You buy x bottles of face paint and y brushes at two stores. The amounts you spend are represented by 10x + 7.5y = 42.5 and 8x + 6y = 34. How many bottles of face paint and brushes did you buy?

(8.EE.8c)

CSS: Demonstrate my understanding that solutions to a system of two linear in two variables correspond to points of intersection of their graphs, because points of intersection satisfy both equations.