

Systems of Equations - Day 6
Assignment

Name _____
Date _____ Period _____

Solve for x and y using the Substitution method.

1. $y = 3x$
 $2x - 2 = y$

2. $x = y + 4$
 $2x + 4y = 38$

3. $y = 2x$
 $4x + 3y = 30$

4. $x = y + 8$
 $5x + 3y = 16$

5. The perimeter of a rectangle is 60 ft. The length of the rectangle is three times the width. Find the dimensions of the rectangle.

6. Thirsty Tim makes a great punch. He used 1 gallon of pink lemonade for every 3 gallons of Sprite in his punch. One gallon of pink lemonade costs \$2.50 and 1 gallon of Sprite costs \$5. If he spends \$87.50 to make his punch, how many gallons of each type of drink were in the drink?

7. Jim is running in a charity race with Ron. Jim can run 1.5 kilometers for every kilometer that Ron can run. Together they raised \$300 for a charity. Jim got \$10 for every kilometer that he ran and Ron got \$15 for every kilometer he ran in the race. How many kilometers did each man run?