

Name _____

Solving Systems of Equations

Graphing Practice

Directions: For each pair of equations find the point when they are equal to each other.

1. $X + Y = 3$

$X - Y = 7$

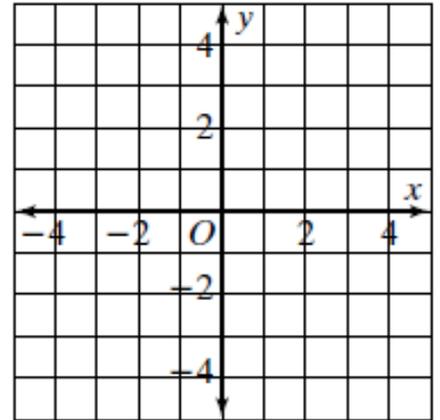
Graph it

X	Y

Check your work

X	Y

Solution(,)



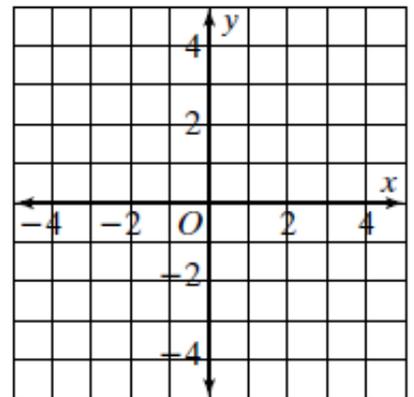
2. $-x + 2y = 7$

$y + x = 8$

Graph it

Check your work

Solution(,)



3. Solve the following equations for the given letter.

a. $3m = 4m - 14$

b. $20 - 3m = 2m - 8m + 50$

c. $3x - 10 = 5(x - 4)$

d. $6(6n - 1) = 7(5n - 2)$

4. Solve each rational number equations.

a. $-3(-7) =$

b. $4 - 10 =$

c. $-5 - -12 =$

d. $23 + -7 =$

e. $-10 + -10 =$

f. $-15 + 13 =$

g. $0 - (-300) =$

h. $-12(-3) =$

i. $4 - 15 =$

j. $5(-9) =$

k. $24 \div -3 =$

l. $-36 \div -9 =$

5. Solve each absolute value equation.

a. $|7y + 9| = 72$

b. $|5m + 4| = -51$

c. $5 + |x| = 23$

d. $6 + |m| - 10 = 3$