Name: ..... Class: .....

Power Up! Test Practice

21. Determine if each system of equations has no solution, one solution, or infinitely many solutions. Select the correct answer.

a. $y = 3x - 1$
$y = -2x + 4$
☐ no solution ☐ one solution ☐ infinitely many solutions

b. $y = 4x - 2$
$y = 4x + 5$
☐ no solution ☐ one solution ☐ infinitely many solutions

c. $y = -x - 3$
$y = x$
☐ no solution ☐ one solution ☐ infinitely many solutions

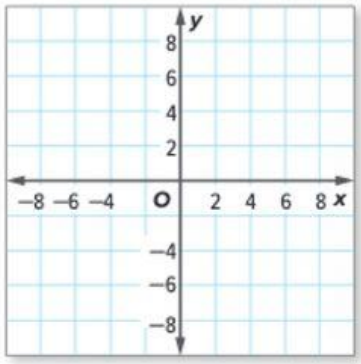
22. Haitham scored 3 times as many goals as Suleiman. Suleiman scored 4 fewer goals than Haitham. The number of goals scored by each person can be represented by the system of equations below.

$y = 3x$

$y = x + 4$

Graph these equations on the coordinate plane.

What is the solution to the system of equations? What does this situation represent?



LIVEWORKSHEETS