MFM2P

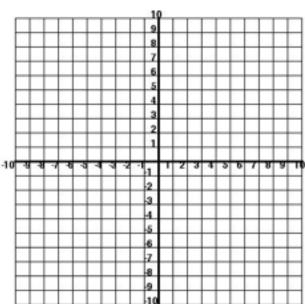
Date:\_\_\_\_\_

Lesson 2.2: Graphically Solving Linear Systems

Each of the following pairs of equations forms a <u>linear system</u>. Think about their graphs to determine the number of solutions:

Example: 1

Y = 2x + 4 Y = 2x

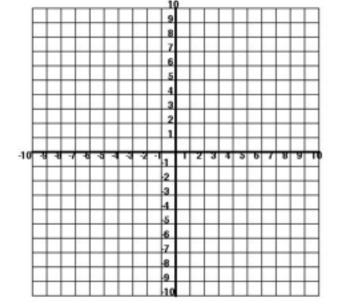


The POI is \_\_\_\_\_

This system has \_\_\_\_\_ solutions.

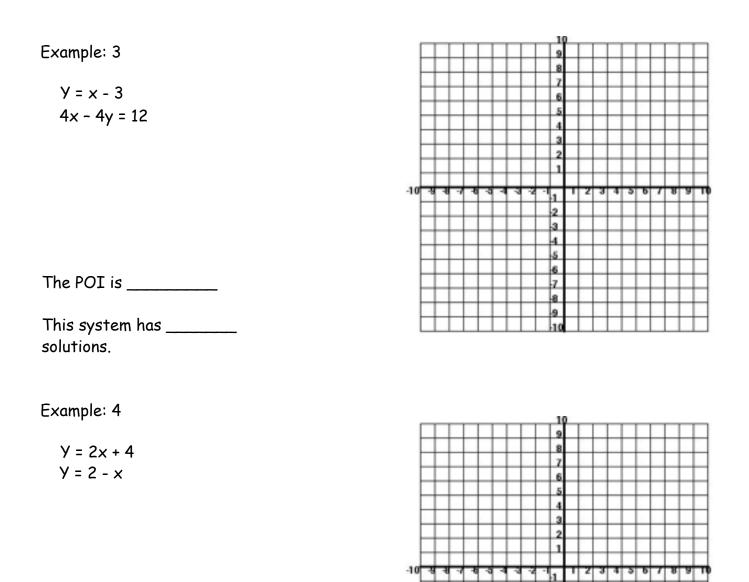
Example: 2

Y = 2x + 4Y = x + 4



The POI is \_\_\_\_\_

This system has \_\_\_\_\_ solutions.



The POI is \_\_\_\_\_

This system has \_\_\_\_\_ solutions.

Example 5: Given y = 2x + 5, Write a second equation such that the system has

i) no solutions

ii) exactly one solution

iii) infinite number of solutions

T†Bk: P. 201 # 1bd, 4ab, 5 ,6 ,9

2345

6 7 8

9

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