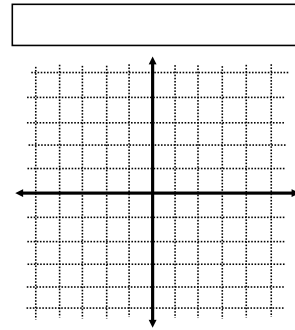
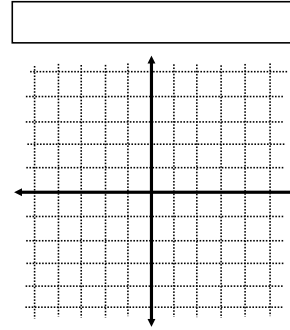


7.6 Properties of Linear Systems

* Systems of linear equations may have...

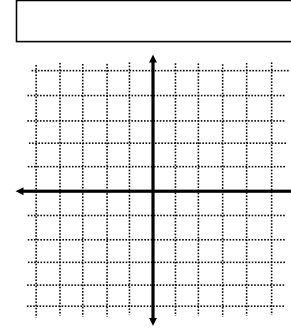


* slopes are



* slopes are

* y-intercepts are



* slopes are

* y-intercepts are

ex. Find the number of solutions to each system without solving.

a) $2x + y = 8$ ①

$4x + 2y = 16$ ②

b) $3x + y = 9$ ①

$6x + 2y = 12$ ②

c) $x + y = 8$ ①

$-5x + y = 1$ ②

ex. Given the equation $-2x + y = 4$ ①, write another equation that will form a system with:

a) one solution

b) no solutions

c) infinite solutions

① $-2x + y = 4$

① $-2x + y = 4$

① $-2x + y = 4$

②

②

②

②

②

②