Special Systems of Linear Equations

Numbers of Solutions of Linear Equations



\_\_\_\_\_\_\_\_\_ Solution



\_\_\_\_\_\_\_\_ Solution



\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_ Solutions

No Solution

$y=2x+1$ $y=2x-5$

Graphing:



Substitution:

Same \_\_\_\_\_\_\_\_\_, Different \_\_\_\_\_\_\_\_\_\_\_\_=no solution

Infinitely Many Solutions

$-2x+y=3$ $-4x+2y=6$

Graphing:



\_\_\_\_\_\_\_\_\_\_ slope AND \_\_\_\_\_\_\_\_\_\_ y intercept, so \_\_\_\_\_\_\_\_\_\_ line.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ solutions