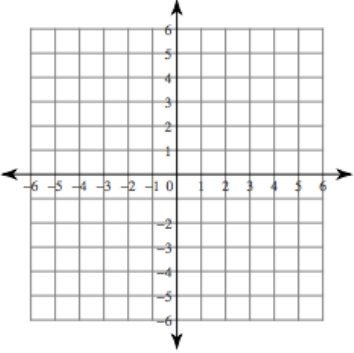
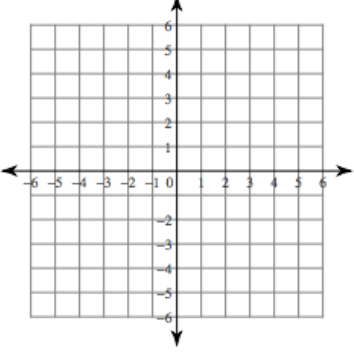
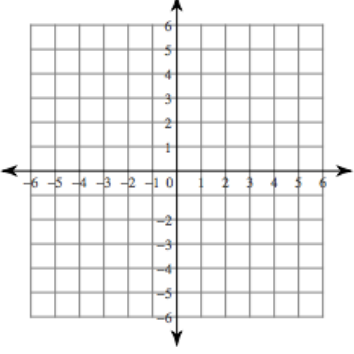


Graphing Systems with Special Solutions

Convert the equations to slope-intercept form. Solve the system by graphing.

What observations can you make about the equations and the graphs?

Equations	Graph	Observations	Key Ideas
$3x - 2y = 6$ $x + y = 2$			
$2x - y = 1$ $4x - 2y = 2$			
$2x - 3y = -3$ $-2x + 3y = -9$			

How many solutions does the system have?

JUSTIFY YOUR ANSWER by discussing the graph AND the equations.

