5.4 Solving Special Systems of Linear Equations p.226

A diagram of equations and equations

Description automatically generated with medium confidence

No solution: The equations will have the same slope (number in front of x when the equation is in slope-intercept form) which means they are parallel and will never intersect

Infinitely many solutions: The equations are exactly the same when in the same form (usually slope-intercept form)so they are literally the same line

One solution: neither conditions above are met and the lines will intersect at 1 point

Solve the following system of linear equations:





1. no solution
2. no solution
3. (4, -3)
4. (0,3)
5. no solution
6. infinitely many solutions