

## Creation and Investigation Chart

Name (creator of the equations) \_\_\_\_\_

Name (investigator of the equations) \_\_\_\_\_

**CREATOR:** Create 6 multi-step equations. Two of the equations should have one solution, two equations should have no solution and two equations should have infinitely many solutions. Write one equation in each rectangle under the title with that number of solution(s).

**INVESTIGATOR:** Without solving the equation, determine if the creator has placed the equation in the correct column and write an explanation to justify your position. On the back of this sheet, choose one equation in each column to solve algebraically.

One Solution	Infinitely Many Solutions	No Solution
<div data-bbox="186 594 684 667" style="border: 1px solid black; border-radius: 10px; height: 45px; width: 100%;"></div>	<div data-bbox="802 594 1299 667" style="border: 1px solid black; border-radius: 10px; height: 45px; width: 100%;"></div>	<div data-bbox="1419 594 1917 667" style="border: 1px solid black; border-radius: 10px; height: 45px; width: 100%;"></div>
<div data-bbox="186 1040 684 1114" style="border: 1px solid black; border-radius: 10px; height: 45px; width: 100%;"></div>	<div data-bbox="802 1040 1299 1114" style="border: 1px solid black; border-radius: 10px; height: 45px; width: 100%;"></div>	<div data-bbox="1419 1040 1917 1114" style="border: 1px solid black; border-radius: 10px; height: 45px; width: 100%;"></div>