How many solutions can a system of Linear Equations have?

- 1 Solution this means Lines Intersect What is true about equations? Different Slopes
- No Solution this means Lines are Parallel What is true about equations? Same Slopes but different y - intercepts.

Many Solutions - this means - Same Lines What is true about equations? Same slope and y-int.



How many solutions could a system equations have if one is Linear and the other is Absolute Value?



One Solution



No

Solution

Two Solutions



Many Solutions The linear function coincides with a side of the Absolute Value function

x





Without graphing tell how many solutions this system of equations has?



How many solutions does each system of linear equations have? 1. y = 8x + 6 m = 8y = 2 MEO 8x + y = 5-8x - 8x4y = -8x + 58x - 4y = 20 -4y=-8x+20 m=-8 6-5 different slopes y=2x-5 m=z Different Slopes One sol