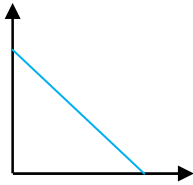## Equation of a Straight Line- Guided Lesson Explanation

Explanation#1

Linear- The equation must fit into the y = mx + b format. The equation variables cannot have exponents. When graphed they form straight lines.

Non-linear- These equations do not graph as a straight line.

The graph of a linear function is a straight line. So, graph 1 is linear function.

Explanation#2

The range of change is constant so the graph shows a straight line. Straight lines = linear equations.

So, it is a linear.

Explanation#3

We know that if the constant of variation is the same in x and y then it makes a straight line graph. This does just that.

So, this is a linear.