

TAKS Objective 3
TEK A.5A
Tutorial
(Grades 9, 10, and 11)

...determine whether or not given situations can be represented by linear functions.

Linear equations are of the form

$$y = mx + b.$$

Observe that both x and y are to the first power.

So, if the equation would have x or y to any power other than one, it is not a linear function.

Linear equations are of the form

$$y = mx + b.$$

“m” and “b” are numbers.

“m” is slope which is also known as rate of change.

“b” is the y-intercept which is also known as the original amount.

See TAKS Objective 2 for TEK A.3A
for more information concerning
writing linear equations.