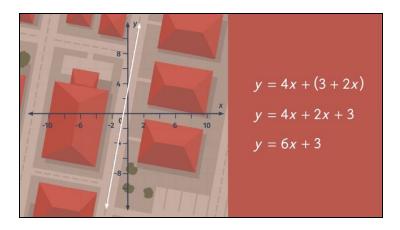
Worksheets to print out from sofatutor.com

Linear and Nonlinear Expressions



- Determine which statements are true.
 Identify if an equation is linear and nonlinear.
 Identify which graphs are linear and which are nonlinear.
 Determine which factored equations are linear.
 Find the corresponding expression and state if it is linear or nonlinear.
 with many hints, answer keys, and solution approaches for all tasks
 - The complete package, **including all tasks**, **hints**, **solutions**, **and solution approaches**, is available to all subscribers of sofatutor.com

Determine which statements are true.

Choose the correct statements.

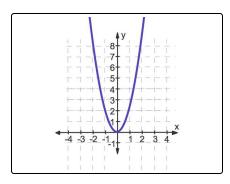
y=6x+3 is an example of a linear equation.	
The graph of a linear equation is a straight line.	
The graph of a linear equation is a parabola.	
$y=6x^2+3x$ is an example of a linear equation.	

Our hints for the tasks



Determine which statements are true.

1. Hint



Here is a parabola. The corresponding equation is quadratic: $y=2x^2.$

2. Hint

This is an example of a linear equation: y = 2x + 4.

Solutions and solution approaches for the tasks



Determine which statements are true.

Answer key: A, B

Linear equations contain variables raised to the power of 1.

All other equations are nonlinear. When written in simplified form, here are some things that make an equation not linear:

- having a variable in the denominator.
- having a variable under a radical.
- having a variable squared or cubed.

If a linear equation is graphed, you see a straight line.

