Application of Derivatives Part One

by: Joshua Bautista

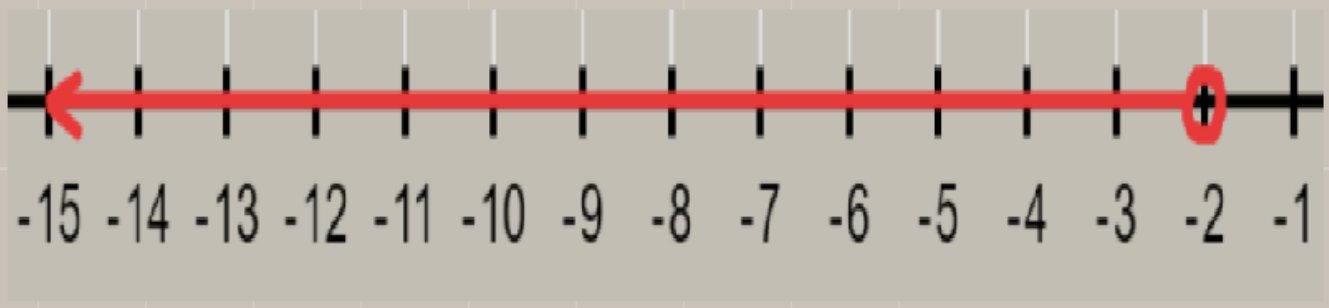
1 Application of Derivatives Part One 3

1.1 Sketching

1.2 Velocity and Acceleration

1.3 Other Applications

$$5x + 7 < 3(x + 1)$$



1. Application of Derivatives Part One

1.1 Sketching

As

Example 1:

1.2 Velocity and Acceleration

1.3 Other Applications

The following **will affect** the direction of the inequality:

- Multiplying or dividing by a **negative** number.
- Multiplying or dividing by a **variable**.

Example 3:

$$-10x > 40$$
$$x < -4$$