Linear Equations

Order of Operations
1. **Parentheses**
2. **Exponentials**
3. **Multiply/Divide**
4. **Add/Subtract**

$2 \times \bigcirc + 3 = 13 \rightarrow 2x + 3 = 13$

General Strategy for Solving Linear Equations
Get Rid of It Strategy

Transform equations into **ax + b = c** format by using the Properties of Real Numbers, then use the Order of Operations in reverse using the inverse (opposite) operation to isolate the variable.

First step, identify what is physically different in the problem from **ax + b = c.**

2. Get rid of it.

Systems, Absolute Value, Higher Degree, Radical, Exponential, Logarithmic