

Applet Overview: Solve By Trace

Essential Math Concept

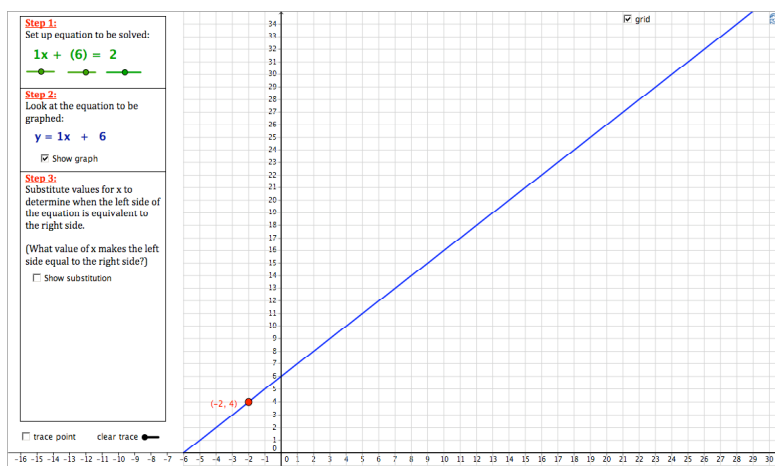
Use the trace method to solve an equation.
The applet uses an equation in the form $Ax + B = C$.

Essential Questions To Consider

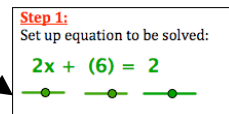
Do students understand how to solve an equation using graphing and the trace method?
Do students know how to determine the solution for an equation

Student Engagement

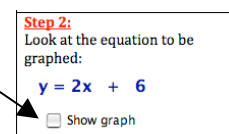
The *Solve by Trace* applet includes sliders and checkboxes to provide access to the primary features of the tool.



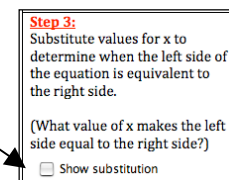
Step 1: The **green sliders** under the equation change the coefficient of x and constants in the equation.



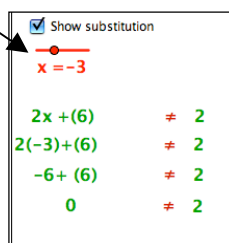
Step 2: The *Show graph* checkbox shows the graph of the equation in the form of $y=mx+b$.



Step 3: The *Show substitution* checkbox shows the value of x substituted and evaluated.



Step 4: The **red slider** changes the value of x.



Optional: The *trace point* checkbox traces the point locations as the value of x changes; clear traced points with the slider.

