



# What Linear Form?

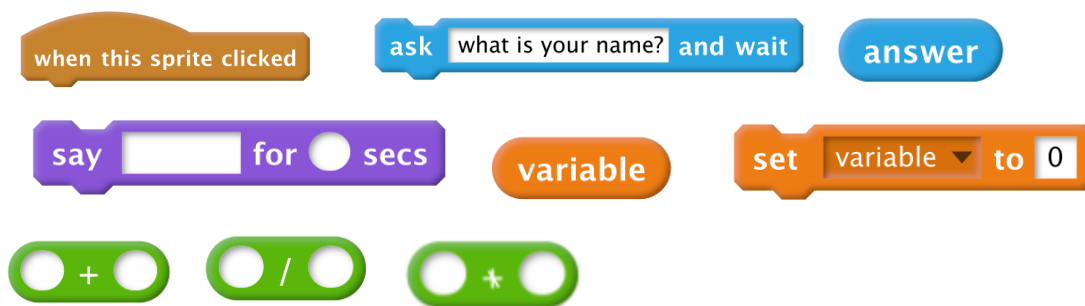
## Project Goal:

Students will take in an equation in one form (slope-intercept form, point-slope form, or standard form) and the program will transfer the equation to a different form. The following project example will take in an equation in point-slope form and transfer it to slope-intercept form.

## Standard: [CCSS.MATH.CONTENT.6.G.A.1](#)

Find the area of right triangles, other triangles, special quadrilaterals, and polygons by composing into rectangles or decomposing into triangles and other shapes; apply these techniques in the context of solving real-world and mathematical problems.

## Blocks:



**Student Handout:** [What Form Student Guide](#)

**Teacher Guide:** [What Form Teacher Video Guide](#)

# #CSandMath





### Solution:

```
when green flag clicked
  set m to ?
  set x1 to ?
  set y1 to ?
  set b to ?
  set M to ?
  say "This program will take an equation in point-slope form and transfer it to slope-intercept." for 3 seconds
  ask "What is the slope of your line?" and wait
  set M to answer
  set m to answer
  ask "What is the x-value of your point?" and wait
  set x1 to answer
  ask "What is the y-value of your point?" and wait
  set y1 to answer
  set b to m * -1 * x1 + y1
```

