Data Flyer
Shodor $>$ Interactivate $>$ Activities $>$ Data Flyer


## Independent and Dependent Variables

Shodor $>$ Interactivate $>$ Discussions $>$ Independent and Dependent Variables
Mentor: Today we are going to discuss independent and dependent variables. What does it mean for something to be independent?

Student: That means that it doesn't depend on anything else.
Mentor: That's right! So what do you think it means for a variable to be independent?
Student: Maybe that variable doesn't depend on the other variables or numbers.
Mentor: Correct. In mathematical terms, we call a variable independent if its value can be set arbitrarily to get a result. This is known as the input of a function. Do you know what I mean by "input"?

Student: That's the variable that you start with. You know that variable, then you do something to it, and you get the "output".
http://shodor.org/interactivate/discussions/IndependentDependentVariables/



## Show Squares

Data:


## Show Vertical <br> Asymptotes

Show Tabular Data
C No Grid
c Light Grid Lines
C Dark Grid Lines
Set Window...

## Data Flyer

Shodor > Interactivate > Activities > Data Flyer


## Practice Exercise:

Try this set of 4 pairs of ( $\mathrm{x}, \mathrm{y}$ ) values using Data Flyer:

| 1 | 1 | $(1, ~ 1)$ |
| :--- | :--- | :--- |
| 1 | 3 | $(1,3)$ |
| 5 | 6 | $(5,6)$ |
| 5 | 10 | $(5,10)$ |



|  | of ( $\mathrm{x}, \mathrm{y}$ ) |
| :---: | :---: |

You are finding values for the SLOPE $m$ and the INTERCEPT b for the equation.

| 46 | 55 |
| :--- | :--- | :--- |
| 50 | 55 |
| 48 | 59 |
| 45 | 56 |
| 31 | 68 |
| 45 | 63 |
| 50 | 53 |
| 18 | 79 |
| 28 | 72 |
| 24 | 72 |
| 34 | 68 |
| 20 | 71 |
| 28 | 72 |
| 13 | 82 |
| 13 | 81 |

