

|  |  |
| --- | --- |
| a) | b) |
| Rise | Run | Slope | Rise | Run | Slope |
|  |  |  |  |  |  |



|  |  |
| --- | --- |
| c) | d) |
| Rise | Run | Slope | Rise | Run | Slope |
|  |  |  |  |  |  |

A relation is just a relationship between two variables (often we use x and y). In this warmup you will get used to the Cartesian plane, and then look at some relations in 4 different ways:

* An equation
* A written rule
* A table of values
* A graph

3) For the following two relations, complete the table (like our warmup) and find the slope of each line.

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| --- |
| Relation #1 |
| Equation: $y=2x+5$ |
| Written Rule: | Graph:  |
| x | y |
| -3 |  |
| -2 |  |
| -1 |  |
| 0 |  |
| 1 |  |
| 2 |  |
| 3 |  |
|  Rise =  |  Run =  |  Slope =  |

|  |
| --- |
| Relation #2 |
| Equation: $y=4x-2$ |
| Written Rule: | Graph:  |
| x | y |
| -3 |  |
| -2 |  |
| -1 |  |
| 0 |  |
| 1 |  |
| 2 |  |
| 3 |  |
|  Rise =  |  Run =  |  Slope =  |