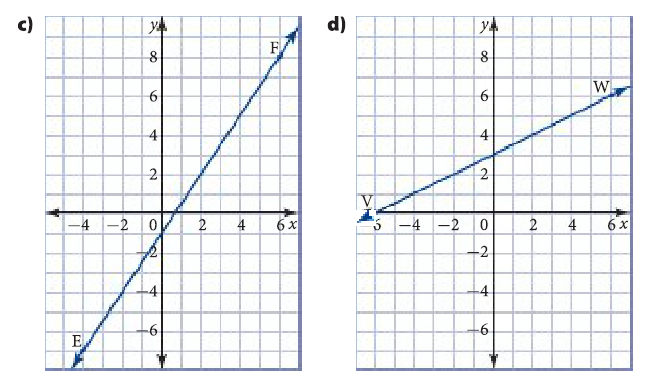


|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| a) | | | b) | | |
| Rise | Run | Slope | Rise | Run | Slope |
|  |  |  |  |  |  |



|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 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.

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

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