Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_\_\_ Number: \_\_\_\_\_\_\_\_\_

# 4.2a Notes – Slope

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is another word for \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Look at this amazing graph down here!

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1. This is the graph of the line$ y=2x$.
2. Is it LINEAR? \_\_\_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| x | y |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

1. Let’s make a table.
2. What is the slope? **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
 |  |

What are the other types of slope?

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |

So…

Will your slope ALWAYS stay the same? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Explain why you think that.

EX #1: Graph the equation$ y=5x$. EX #2: Graph the equation $y=\frac{1}{4}x.$

 

EX #4: Graph the equation $y=x.$ EX #5: Graph the equation $y=-2x.$

 