**Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Per.\_\_\_\_\_\_\_ Score:\_\_\_\_\_**

**U4 HW # 5** *Finding the Slope of a Line (Table)*

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | *x* | *y* | | 3 | -9 | | 5 | -15 | | 9 | -27 | | |  |  | | --- | --- | | *x* | *y* | | 8 | 1 | | 6 | 3 | | 2 | 7 | | -4 | 13 |   2. |
| 3.   |  |  | | --- | --- | | *x* | *y* | | 0 | 4 | | 1 | -5 | | 2 | -14 | | 3 | -23 | | |  |  | | --- | --- | | *x* | *y* | | 10 | 1 | | 8 | 1 | | -12 | 1 | | -14 | 1 | |
| |  |  | | --- | --- | | *x* | *y* | | -5 | 2 | | 5 | 6 | | 10 | 8 | | |  |  | | --- | --- | | *x* | *y* | | -3 | 5 | | -3 | 10 | | -3 | 15 | | -3 | 20 | |

**Directions**: Calculate the slope of the line that contains the point given in each table. Show your work/thinking.

**Directions:** Calculate the sloe of each line twice: once by finding 2 points and using the slope formula and second by creating a slope triangle on another part of the line.

|  |  |
| --- | --- |
| 1. *points:*     *m=*  Slope triangle *m*= | 1. *points:*     *m=*  Slope triangle *m*= |
| 1. *m=* | 1. *m=* |

Directions: For # 11 and 12:

* Calculate the slope of the line passing through each pair of points.
* Find one other point that lies on the line containing the given points.

|  |  |
| --- | --- |
| 1. (-6,-5) and (4,0) | 1. (4,1) and (0,7) |