**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)
 |