|  |  |  |  |
| --- | --- | --- | --- |
|  | **SLOPE** | SLOPE of a line **PARALLEL** to a given LINE | SLOPE of a line **PERPENDICULAR** to a given LINE |
| Equation of a line: **Slope Intercept** **Form** | **y = \_\_\_\_\_\_\_\_\_\_\_\_\_**M = \_\_\_\_\_\_\_\_\_\_\_\_\_b = y-intercept |
| Where/how do I find the slope? |  |  |  |
| Ex1 | Find the Slope. | Find the slope of a line parallel to a given line. | Find the slope of a line perpendicular to a given line. |
| Ex2 | Find the Slope. | Find the slope of a line parallel to a given line. | Find the slope of a line perpendicular to a given line. |
| Ex3 | Find the Slope. | Find the slope of a line parallel to a given line. | Find the slope of a line perpendicular to a given line. |
| Ex4 | Find the Slope. | Find the slope of a line parallel to a given line. | Find the slope of a line perpendicular to a given line. |
| Ex5 | Find the Slope. | Find the slope of a line parallel to a given line. | Find the slope of a line perpendicular to a given line. |

|  |  |  |
| --- | --- | --- |
|  | **Slope- Intercept Form** | **Point-Slope Form** |
| Equation | y = \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  y - \_\_\_\_ = M(x -\_\_\_) |
| EX1 |  |  |
| EX2 |  |  |
| EX3 |  |  |