Section\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_

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| --- | --- | --- |
| Vocabulary | Definition | Picture |
| SLOPE | The slope of a nonvertical line is the ratio of the vertical change (rise) to horizontal change (run) |  |  |
| **SLOPE OF LINES IN THE COORDINATE PLANE** |
| NEGATIVE SLOPE | \_\_\_\_\_\_\_\_\_\_\_ from left to right. |  |  |
| POSITIVE SLOPE | \_\_\_\_\_\_\_\_\_\_\_ from left to right. |  |  |
| ZERO SLOPE (slope of 0) | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ line. |  |  |
| UNDEFINED SLOPE | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ line. |  |  |
| **POSTULATE 17** SLOPES of PARALLEL LINES | In a coordinate plane, two nonvertical lines are parallel if and only if they have the same \_\_\_\_\_\_\_\_.Any two vertical lines are \_\_\_\_\_\_\_\_\_. |  |  |
| **POSTULATE 18** SLOPES of PERPENDICULAR LINES | In a coordinate plane, two nonvertical lines are perpendicular if and only if the product of their slopes is \_\_\_\_\_\_\_.Horizontal lines are \_\_\_\_\_\_\_\_\_\_\_\_\_\_ to vertical lines. |  |  |

Find and Use Slopes









Find the slope of each line.

Which lines are parallel?



Find the slope of each line.