

The Slope of A Line: Is It All Uphill from Here?—Pre-Test

1. Define the following terms in your own words:
 - a. Slope
 - b. Positive slope
 - c. Negative slope
 - d. Parallel lines
 - e. Perpendicular lines
2. Determine the slope of the line between the two points given. Describe what the slope means in two ways.
 - a. $(3,2)$ and $(-4,5)$
 - b. $(4,-1)$ and $(7,-1)$
3. Identify the slope and y -intercept of each line given.
 - a. $f(x) = 3x$
 - b. $4x + 2y = 2$
4. Determine whether the two lines, $x - 2y = -6$ and $2x + y = 13$ are parallel, perpendicular, or neither.

The Slope of A Line: Is It All Uphill from Here?—Post-Test

1. Define the following terms in your own words:
 - a. Slope
 - b. Positive slope
 - c. Negative slope
 - d. Parallel lines
 - e. Perpendicular lines
2. Determine the slope of the line between the two points given. Describe what the slope means in two ways.
 - a. $(4,5)$ and $(-3,7)$
 - b. $(8,-5)$ and $(2,-5)$
3. Identify the slope and y -intercept of each line given.
 - a. $f(x) = 5x$
 - b. $6x + 3y = 3$
4. Determine whether the two lines, $x - 3y = -12$ and $3x + y = 11$ are parallel, perpendicular, or neither.