Find the slope of a line that passes through the given points and show all steps.

| | |
|---|---|
| (2, 4) and (6, 12) | (3, 9) and (5, 1) |
| (-4, 7) and (8, 7) | (5, -2) and (5, 10) |
| (-1, -5) and (3, -1) | (1, 6) and (7, 8) |
| (-2, 8) and (4, -4) | (0.5, 3) and (2, 9) |
| (1/2,2) and (5/2,10) | A line passes through the points (a, b) and (c, d). If the slope of the line is 2, and the points are (2, y) and (5, 10), find the value of y. |

Find the slope of a line that passes through the given points and show all steps.

| | |
|---|---|
| 2 | $-1$ |
| 0 | $Undefined$ |
| 1 | $\dfrac{1}{3}$ |
| $-2$ | 4 |
| 4 | 4 |