Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Graphing Linear Piecewise Functions

To graph a linear piecewise function, you need to create a table of values. For a linear piecewise function, you will graph each piece separately, which means you will need multiple table of values. Remember that, for a line, you only need to know two points in order to graph—the starting point and the ending point.



|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1. Graph the piecewise function.  |  | | --- | | Piece 1 | | |  |  |  |  | | --- | --- | --- | --- | |  |  |  | *y* | |  | Start |  |  | |  | End |  |  | |  |  |  | | --- | --- | | Piece 2 | Piece 3 | | |  |  |  |  | | --- | --- | --- | --- | |  |  |  | *y* | |  | Start |  |  | |  | End |  |  | | |  |  |  |  | | --- | --- | --- | --- | |  |  |  | *y* | |  | Start |  |  | |  | End |  |  | | | |
| 1. Graph the piecewise function. |  |
| |  | | --- | | Piece 1 | | |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | |  | Start |  |  | |  | End |  |  | | |
| |  |  | | --- | --- | | Piece 2 | Piece 3 | | |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | |  | Start |  |  | |  | End |  |  | | |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | |  | Start |  |  | |  | End |  |  | | | |
| 1. Graph the piecewise function. |  |
| |  | | --- | | Piece 1 | | |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | |  |  |  |  | |  |  |  |  | | |
| |  |  | | --- | --- | | Piece 2 | Piece 3 | | |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | |  |  |  |  | |  |  |  |  | | |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | |  |  |  |  | |  |  |  |  | | | |
| 1. Graph the piecewise function. |  |
| |  | | --- | | Piece 1 | | |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | |  |  |  |  | |  |  |  |  | | |
| |  |  | | --- | --- | | Piece 2 | Piece 3 | | |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | |  |  |  |  | |  |  |  |  | | |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | |  |  |  |  | |  |  |  |  | | | |
| 1. Graph the piecewise function. |  |