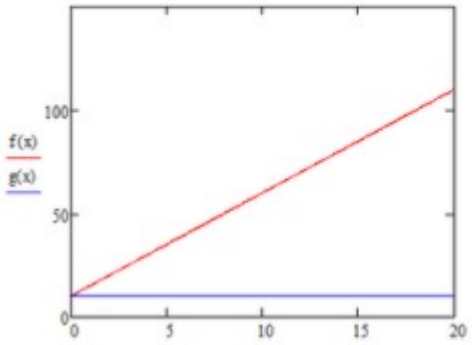
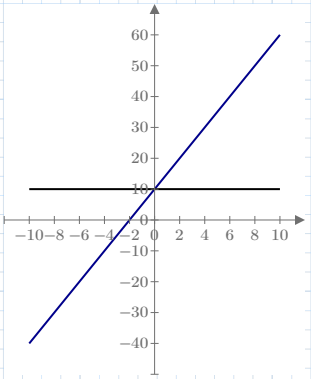
f(x) := 5x + 10 should go from 0 to 10

g(x) := 10 should go from 10 to 20

but i want f(x) be visible from 0 to 10 only and vice versa for g(x) with 10 to 20



$f(x) := 5 \cdot x + 10$ $g(x) := 10$



$f(x)$

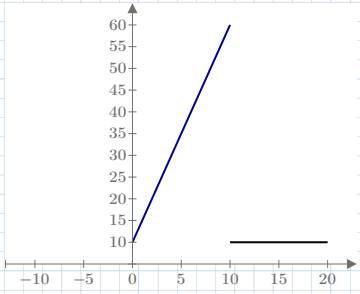
$g(x)$

x

The plot above on the left is what you get with a "quick plot," where you don't specify a particular range--Mathcad plots from -10 to 10. There are two ways to do what you desire (that I can quickly see.)

$x_f := 0..10$ $x_g := 10..20$

1. discrete range variables



$f(x_f)$

$g(x_g)$

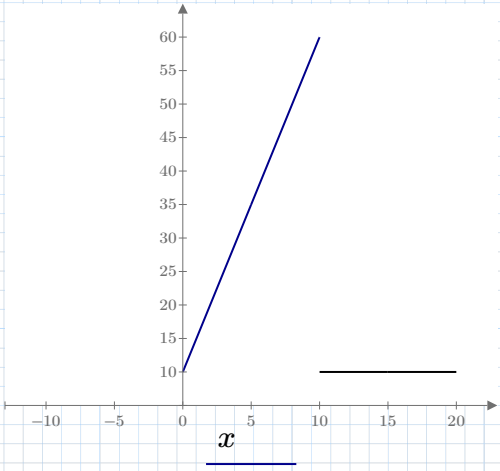
x_f

x_g

2. Or by limiting the functions themselves:
(have to extend the range from quick plots $x := -10, -9.99..20$

$f_r(x) := \text{if}((0 \le x \le 10), f(x), NaN)$

$g_r(x) := \text{if}((10 \le x \le 20), g(x), NaN)$



$f_r(x)$

$g_r(x)$

x