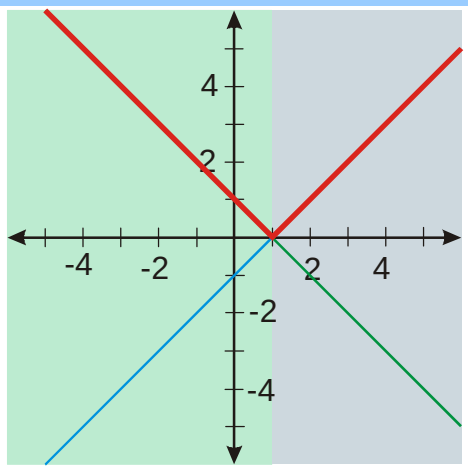
2.4.4 Kreslení grafů funkcí metodou dělení definičního oboru I

Opakování (kreslení grafu funkce $y=|x|$):

Př: 1: $y=|x-1|$

$x\in(-\infty;1\rangle \quad y=|x-1|=-x+1$

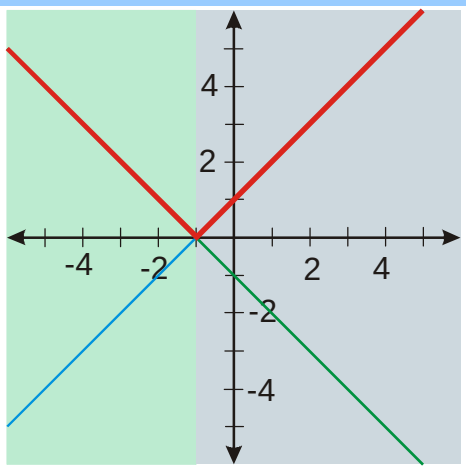
$x\in\langle 1;\infty) \quad y=|x-1|=x-1$



Př: 2: $y=|x+1|$

$x\in(-\infty;-1\rangle \quad y=|x-1|=-x-1$

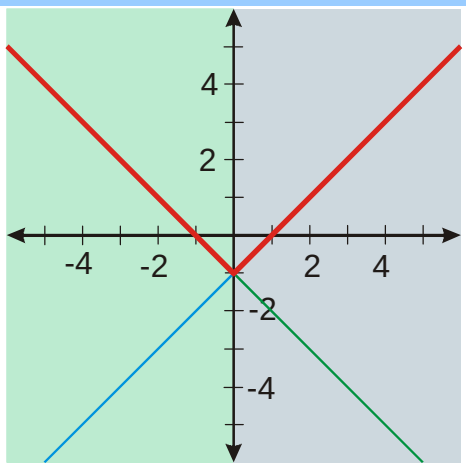
$x\in\langle -1;\infty) \quad y=|x+1|=x+1$



Př: 3: $y=|x|-1$

$x\in(-\infty;0\rangle \quad y=|x|-1=-x-1$

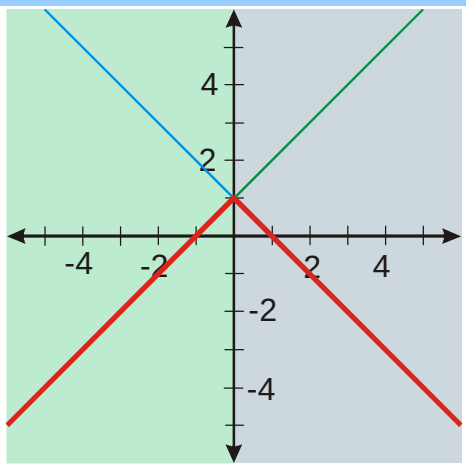
$x\in\langle 0;\infty) \quad y=|x|-1=x-1$



Př: 4: $y=-|x|+1$

$x\in(-\infty;0\rangle \quad y=-|x|+1=-(-x)+1=x+1$

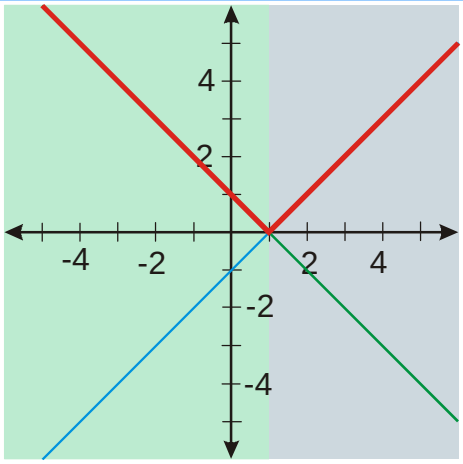
$x\in\langle 0;\infty) \quad y=-|x|+1=-x+1$



Př: 5: $y=|-x+1|$

$x\in(-\infty;1\rangle \quad y=|-x+1|=-x+1$

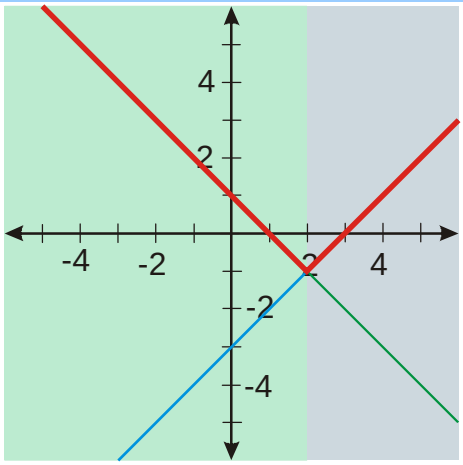
$x\in\langle 1;\infty) \quad y=|-x+1|=x-1$



Př: 6: $y=|2-x|-1$

$x\in(-\infty;2\rangle \quad y=|2-x|-1=2-x-1=-x+1$

$x\in\langle -2;\infty) \quad y=|2-x|-1=x-2-1=x-3$



Př. 7: Petáková:
strana 28/cvičení 40 f_1, h_2, g_1