
[scale=0.8] [-¿] (-0.3,0)–(3.6,0); [-¿] (0,-0.3)–(0,3.6); (0,0) node[below]0; (2*sqrt(2),0) node[below]√2; (1/sqrt(2),0) n
[dashed] (0,sqrt(2)) node[left]√2–(sqrt(2),sqrt(2)); [dashed] (sqrt(2)/sqrt(3),sqrt(2)) node[left]√2/√3–(sqrt(2)/sqrt(3),0
[blue,thick] plot[samples=100,domain=0:sqrt(2)] (,2*); [red,dashed,thick] plot[samples=100,domain=0:sqrt(2)] (,1/(
[blue] (2.7,2.2) node[right]$v(\beta) = 2\beta$; [red] (3.5,1.2) node[right]$v(\beta) = 1/\beta + \beta/2$;