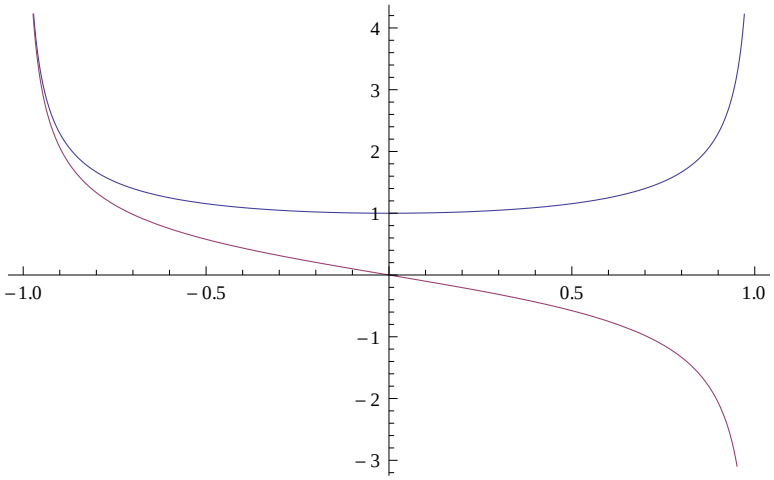
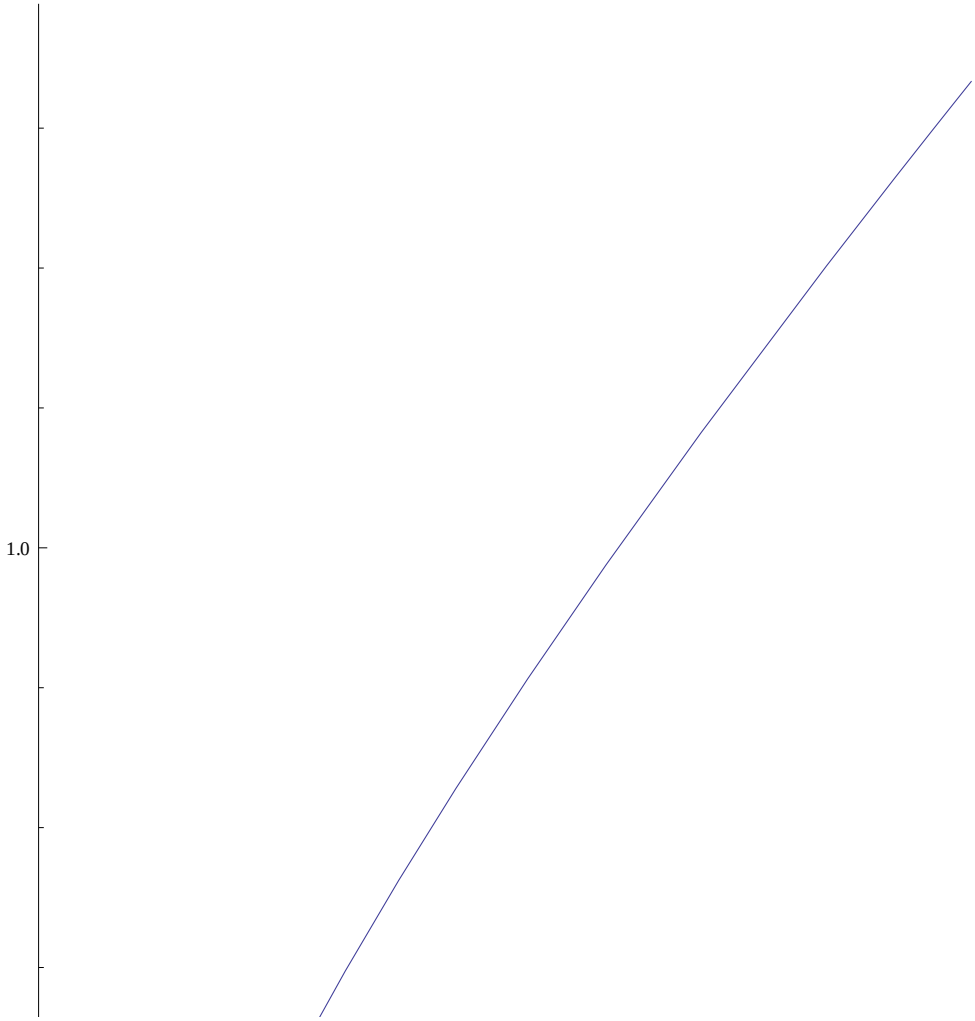
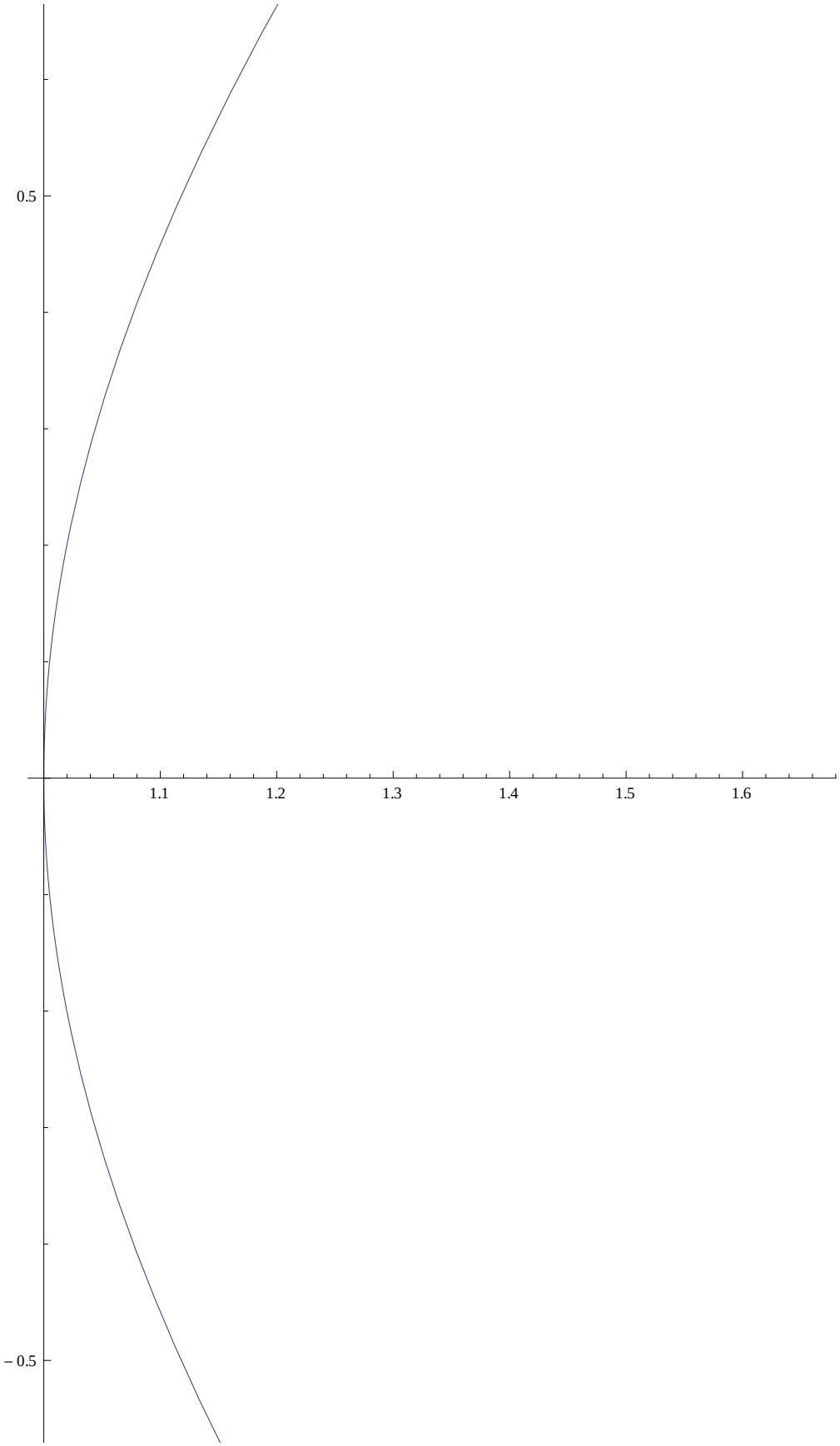
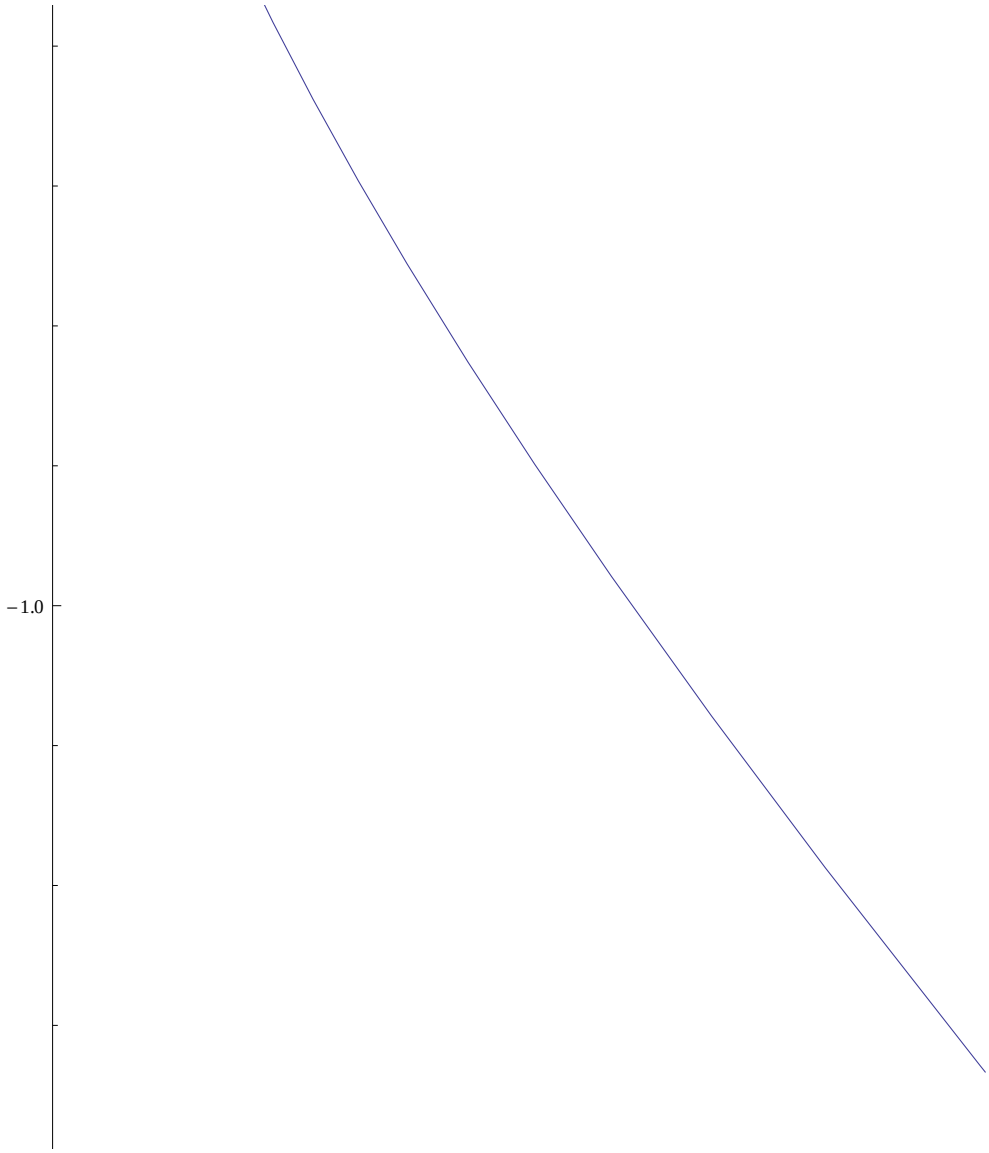
```
L[v_] := {{y[v], -v y[v]}, {-v y[v], y[v]}}

 y[v_] := 1 / Sqrt[1 - v ^ 2]

m = I 1; Plot[{(L[v].{0, 1})[[2]], (L[v].{0, 1})[[1]]}, {v, -1, 1}]
```




```
m = I 1; ParametricPlot[{(L[v].{0, 1})[[2]], (L[v].{0, 1})[[1]]}, {v, -0.8, 0.8}]
```




0.5
1.1
1.2
1.3
1.4
1.5
1.6
– 0.5



m ^ 2

−1