Solutions to Chebyshev equation $(1 - x^2)y'' - xy' + v^2y = 0$ 1.5 1.0 0.5 0.0 v=0v=1-0.5v=2 v=3v=4-1.0v=5 v=6v = 3/2-1.5

0.00

0.25

0.50

0.75

1.00

-0.50 -0.25

-1.00

-0.75