Bester y= 5/a)+ + 1/a)(x-a)+ + 1/a)(x-a)2+ + 1/a)(x-a)3+ Now, a = 0. y(0)=1 y'(0)=-1 y"= 2xy 1-x2y y=y(0)+y'(0)(x-a) + ...y=1-x+y"(0) x2+--y"= 2.0.y'-x2.0 y=1-x+0+y"(0) x3+y"(0) x4 $y = 1 - x - 2x^{3} - 2x^{4}$ $y = 1 - x - 2x^{3} - 2x^{4}$ $y = 1 - x - \frac{1}{3}x^{3} - \frac{1}{12}x^{4}$ y''' = 2xy'' + 2y'' + 2y'' - 2xy' $y = 1 - x - \frac{1}{3}x^{3} - \frac{1}{12}x^{4}$ y''' = 2xy'' + 2y'' + 2y'' - x'y'' y''' = 2xy'' + 2y'' + 2y'' - x'y''y'''(0) = 0 + 2(0) + 2(0) - 0 - 2(1) - 2xy' = -2 - 2y'

