













Time permitting Velmo (x)= 4- (x-2)6 Does the fan. have any zeros? well Velma (2)= 4- (2-2) = 4 homu ... Velma (4) = 4-(4-2) = -60 yes! By the intermedich volu thm. the Fir. ha at least one zero between X=2 G-0 X=4. do I know it is "smooth?" 100 a poly nonicl! why? 1+ 11 (x-2)6 = (x-2) (x-2) (x-2) (x-2) (x-2) $= X_{e} - (.) X_{L} + (.) X_{A} + ... + (-5)_{e}$ 50 4 - () 15 e poly nonvi of degre 6 and leady coop. is -x6. So the int. value that ca be applied here.