P024 Classification #4: Even & odd signals. Even signals: | let X(t) & y(t) look identical. That is: signal for t>U and signal for t<0 are mirror images of each other with t=0 axis serving as the mirror Odd signals liet X(t) & y(t) look identical. That is: Signal for t<0 can be obtained by votating the signal for t>t by 180 deg around the origin (0,0) point.

P.025 Note Title 9/2/2014 Determine whether the following signals or odd or neither oven are CTo $ODS(t+T_{4})$ $Sin(t+T_{4})$ $\cos(t)$ sin(t) 13 et -et sintt) t DTS XIN] $\left(-1\right)^{n+1}$ (-1) $Sin(\pi \star h)$ X Alny signal can be written as a sum of an even signal & an odd Signal X(t) = Xeven (t) + Kodd (t). $+W_2Q10$

P.026 QQ2: Show that Kill) is ellen Kit) is odd. Ans: If we use even & odd signals as our test signal, then any new signal Can be expressed as a Sum two test signals (one even, one oeld)