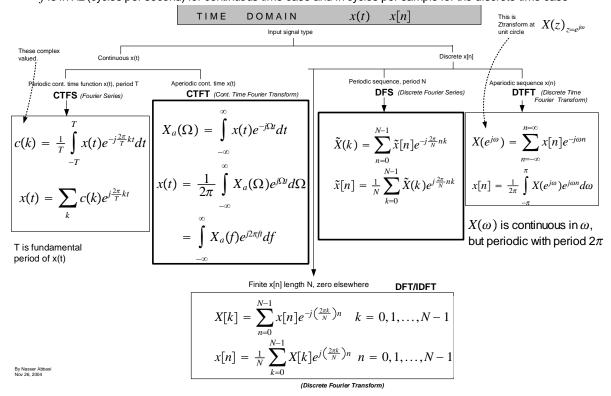
## different transforms used in signal processing

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Note:  $\Omega$  measured is in rad/sec is the radian frequency used for the continuous time case.  $\omega$  measured is in radians only (not radians/sec) and is the radian frequency used for the discrete time case. f is in Hz (cycles per second) for continuous time case and in cycles per sample for the discrete time case



The book signals and systems by Oppenheim, Willsky, Young, also has a nice diagram, here is pic of it (click to enlarge)

