

Example

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Classify the following CT systems by circling one choice in each column of categories. Justify your answers.

- $y(t) = x(t - 2) + \int_{t-1}^{t-3} e^{-(t-\tau)^2} x(\tau) d\tau$ (selected from Exam 1 in Summer 2015)
- $(2 + \sin(t))x(t)$

static	linear	time invariant	causal	BIBO stable
dynamic	nonlinear	time varying	noncausal	unstable
unsure	unsure	unsure	unsure	unsure