

(f) DE: $\ddot{x} + 0.94\dot{x} + x = 2.04 \cos(2t)$,
with $x(0) = -3$,
and $\dot{x}(0) = -6$.

(g) SS solution: $x_{ss}(t) = 0.58 \cos(2t - 2.58)$