1 25 12 3 2 1 1 3 - 1 1 61 16 13 16 min 11 ~ 11 min 10 - 2 8(+) - 1 UH) = 1 sin(w+) = w 52+w2 cos (w+) = 5 52+ w2 dy = s 5 dt = 1 im Palse onit step VerPonse

CX: Solve DE $\frac{d^2y}{dt^2} + \frac{12}{dt} + \frac{32}{dt} = \frac{32}{32} + \frac{1}{32} + \frac$ 9(5) (6² + 12 5 + 32) = 32 Y(5) 82 + 123 + 32 (5+8) (5+4) (S+6) (S+4) = A + B 5+8 5+4 $13 - (5+4) \times 3^{2} \rightarrow 3^{2} \rightarrow$ 32 32 = 8 (4 (8) 4 (-4+8) <u>-8</u> + 8 = 5+8 D(+)= (-8 e + 80 4 +) 8 (+)

ex: $\frac{1^{2}-2^{+}}{4^{-}e^{-}} = \frac{2}{2} \times 1 = 2$