Name:	
J#:	Team:

Advanced Modeling

Standard:	Assigned:	Due:	Mark:
AM	12-13	12-13	

A certain mass-spring system struck by a hammer is modeled by the following IVP:

$$3x'' + 12x = -15\delta(t - \pi/3) \quad x(0) = 0, x'(0) = 0$$

What will the position of the mass be after $\pi/6$ seconds? (Hint: Although you could, you are not required to solve the IVP to answer this question.)