Name:		Advanced Modeling
J#:	Team:	

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

A certain rocket's velocity is modeled by the following IVP:

$$2500v' = 50u(t) - 50u(t - 40) \quad v(0) = 20$$

What will the velocity of the rocket be after 100 seconds?