

Name:	
J#:	Team:

Take-Home Exercise

Standard: AM	Assigned: 10-26	Due: 11-01	Mark:
-----------------	--------------------	---------------	-------

Available to students with credit for F3 by 10-26.

A 2kg ball is tossed horizontally with an initial velocity of $\frac{1}{3}$ m/s, experiencing an initial air resistance of 10 N. Solve an appropriate IVP to calculate how far will it travel horizontally in $\frac{e^3-1}{15}$ seconds.