Paper Submission No. 02 (Fall 2018)

PHYS 203A: College Physics

Due date: Thursday, 2018 Sep 6, 12.35pm, in class

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(Name)   (Signature)

Instructions

1. Your submission should include only this page. Other forms of submissions will not be accepted. Please print this page, and write your solution on the back side.

2. Show your thought process in detail and organize it clearly.

3. Make sure your answer has the correct units and the right number of significant digits.

Question

A hot-air balloon is rising upward with a constant speed of $4.00\,\mathrm{m/s}$. When the balloon is $20.0\,\mathrm{m}$ above the ground, the balloonist accidentally drops a compass over the side of the balloon. How much time elapses before the compass hits the ground?