

OSU Academic Integrity Statement

During this quiz you are not to receive information, nor communicate with anyone, about the form, content, length, or difficulty of this quiz. Additionally, you are not to use any unauthorized resources while taking this quiz.

The allowed resources are: any notes you have collected during this course (handwritten, printed, or saved locally on your computer), blank sheets of paper or a digital tablet, writing utensil, a ruler, a protractor, and a non-communicating calculator. **Accessing the internet** while taking the quiz for any reason other than downloading, viewing, or turning in the quiz **is strictly prohibited**.

Receiving information or discussing details about this quiz between the time of its release and a time 48 hours later is stickily prohibited and is in violation of Oregon State University's Code of Student Conduct.

<https://studentlife.oregonstate.edu/studentconduct/academicmisconduct>

Any incidence of academic misconduct will be dealt with in accordance with Oregon State University's policies.

Physics 201

Weekly Quiz 3 | Corvallis Campus

10/14/2020

Collaboration is not allowed. You will have 30 minutes to download, solve, take pictures, AND upload this exam to Gradescope.

1. The velocity vs time graph below has been plotted for a car moving along a straight road. At $t = 0$, the car was at a non-zero positive position.
 - (a) Describe, in words, the car's motion based off of the given velocity vs time graph.
 - (b) Clearly sketch the acceleration vs time graph below the velocity vs time graph. Label any line segments as either: constant, linear, or quadratic. This sketch should be scaled relative to the shape of the velocity vs time graph.
 - (c) Sketch the position vs time graph above the velocity vs time graph. Label any line segments as either: constant, linear, or quadratic. This sketch should be scaled relative to the shape of the velocity vs time graph.

