

Problem of the Week #3

Assigned: 1300, 16 Sep 10

Due: 1300, 23 Sep 10

The Ride

MAJ Marks rides his bicycle from his home to Thayer Hall every day, a ride that always takes 20 minutes. This morning on his way in he realized he forgot the keys to his office, an unfortunately frequent occurrence, leaving them sitting on the counter just inside the door to his home. He knew that if he continued on his way, hoping his office-mate MAJ Fink had already come in and unlocked the office, he would arrive 8 minutes prior to the start of his A-hour class. Otherwise, he could turn around and head back home, in which case he would arrive 10 minutes after the start of A-hour.

What fraction of the commute had MAJ Marks completed when he realized his predicament?

Solution: He had completed $\frac{9}{20}$ of his commute.

Email solutions to Christopher.marks@usma.edu with subject line: POTW.

Solutions can be emailed in the form of: an email (plain text) no attachment, a word document, a mathematica file, an excel workbook, or a scanned adobe file of your work.

If none of these options work for you, you may drop a hardcopy off at my office TH239C, just annotate the time of submission.