

Name: _____

1. Calvin is hungry at night, so he rushes to the Chipotle (opens from 10:45 AM to 10 PM) at Guildford on his bike, hoping to get a burrito before the restaurant closes. The distance between his house and Chipotle is 10 km. Suppose that Calvin leaves at 9:30 PM and bikes with a speed $v = 25$ km/h. Will he arrive before Chipotle closes?