

3B - Calculus for Social and Life Sciences
Week 3

Contact Information	
TA's name:	Trevor Klar
Email:	trevorklar@math.ucsb.edu
Office hours:	Wednesdays 2:00-3:00
Math Lab hours:	Tuesdays 3:00-5:00
Office:	South Hall 6431x

1. Marie leaves Isla Vista at noon, riding her Vespa to Morro Bay along a route which is 240 miles long. Jason leaves Morro Bay at 1pm riding his Vespa along the same route to IV. Marie's speed is 30 miles/hr and Jason's speed is 40 miles/hr.

(Leave your answers as *fractions* and for the love of everything good, READ THIS SENTENCE!)

(a) How far apart are they at 3pm?

(b) How many hours has *Jason* been riding when they meet?

(c) How many hours has *Marie* been riding when they are first 40 miles apart?