

**Quiz One**

		Jeremy	Edwin
Section	11:30	CA	CC
(circle one)	12:30	CB	CD

**No notes. No calculators.**

Simplify your answers. Show your work. Please put a box around YOUR FINAL ANSWER .  
There are 15 points on this quiz.

A small airplane is flying slowly near a local airport. The airplane is currently 3 miles north and 3 miles west of the airport. The plane flies in a straight line so that, in 10 minutes, it will be 7 miles south and 2 miles east of the airport. The airport has a radar system that detects planes within 3 miles of the airport.

1 (5 points)     Draw a picture of the situation and impose a coordinate system.

2 (4 points)     How fast is the airplane flying in miles per hour?

3 (6 points)     Where is the airplane when the airport first detects it by radar?

4 **Bonus Question** (1 point)     What are the names of your instructor and teaching assistant?  
In what building is the Math Study Center (MSC) located?

Instructor: \_\_\_\_\_ TA: \_\_\_\_\_

MSC is in: \_\_\_\_\_