Name: _____ Section: _____

Math 120B Quiz 1 October 9, 2003

Show all work for full credit.

1. (5 points) Find the point on the line $y = 3x - 2$ which is closest to the origin.

2. (5 points) A blimp flying due east at 20 mph passes directly over the Space Needle. At that instant, a zeppelin flying at the same altitude is 5 miles north of the blimp, flying north at 10 mph. How long will it take for the airships to be 20 miles apart?