

PQ #7

MTH 1825 Practice Quiz for Systems of Linear Equations – Word Problems involving distance, rate, and time

1. Two buses leave towns 755 miles apart at the same time and travel toward each other. One bus travels 11 mph slower than the other. If they meet in 5 hours, what is the rate of each bus?

Slower bus: _____ Faster bus: _____

2. A motorboat travels 366 miles in 6 hours going upstream and 609 miles in 7 hours going downstream. What is the rate of the boat in still water and what is the rate of the current?

Rate of the boat in still water: _____

Rate of the current: _____