Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Section:\_\_\_\_\_\_\_\_\_\_

**Honors Speed Problems**

**Show all work**

1. Train A leaves the station at 9am and must travel 160km. It travels at a speed of 88km/hr. Train B leaves another station at 9:10am and must travel 177km. It travels 94km/hr. If both trains have the same destination, which train will arrive to the destination first?
2. If a monkey can maintain a speed of 18m/s, it will cover 18 meters every second. At this speed, how far will it travel in a) 68s b) 2.2minutes c).47hours?
3. A baseball games starts in 15 minutes. If you are traveling at a speed of 48km/hr and are .78km from the ball field, will you make it to the baseball game on time?
4. Karen and Jim are running a 10k race. Karen starts at 9am and runs at a speed of 3.6km/hr. Jim starts 30 minutes after Karen and runs at a speed of 4.5km/hr, what time do they each finish the race?