**Physics 200 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Unit Conversions Practice**

**Convert the following speed to miles per hour.**

1. 90 km/hr

2. 20,000 feet/hr

3. 5,400 m/hr

4. 3.5 m/s

5. 8.7 ft/s

6. 2,500 miles/day

**Convert the following speeds to meters/second**

1. 0.034 km/s
2. 650 m/hr
3. 65 miles/hr
4. 48 ft/sec
5. 9.5 km/hour
6. 2.9 x 105 miles/year

*Answers:*

*Part 1: 1. 56mph 2. 3.8mph 3. 3.3mph 4. 7.8mph 5. 5.9mph 6. 104mph*

*Part 2: 1. 34m/s 2. 0.181m/s 3. 29m/s 4. 15m/s 5. 2.6m/s 6. 15m/s*