

Physics 200
Unit Conversions Practice

Name: _____

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. 2.9×10^5 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