

Student Name: \_\_\_\_\_

Date: \_\_\_\_\_

Period #: \_\_\_\_\_

### Unit 1: Quiz 4

#### ***Converting from one measurement unit to another***

Complete the following problems using the unit conversions provided below:

$$2.54 \text{ cm} = 1 \text{ in}$$

$$1 \text{ ft} = 12 \text{ in}$$

$$1 \text{ yd} = 3 \text{ ft}$$

$$5280 \text{ ft} = 1 \text{ mi}$$

$$1609 \text{ m} = 1 \text{ mi}$$

$$30 \text{ days} = 1 \text{ month}$$

$$100 \text{ cm} = 1 \text{ m}$$

$$1000 \text{ m} = 1 \text{ km}$$

$$60 \text{ sec} = 1 \text{ min}$$

$$60 \text{ min} = 1 \text{ hr}$$

$$365 \text{ days} = 1 \text{ yr}$$

1. How many seconds in a month?

2. How many inches are there in 70 km?

3. Charles measured the height of the PVHS building to be 10.2 meters, what is that height in feet?

4. Mt Everest, the highest peak in the world, reaches an elevation of 29,028 feet. How many kilometers (km) is that?

5. A marathon is 26.3 miles long. How long is a marathon in meters (m)?

6. A car travels at 65 mi/hr (aka mph) along the Dulles toll road. Express 65 mi/hr in m/s.