

Name: _____

Date: _____

Instructor: _____

Class Time: _____

Unit 2 Module C Notes Sections 6.1 – 6.7

View the PowerPoint, Videos, or Textbook for Module 2C.

Vocabulary **Fill in the blanks.**

1. (Section 6.1) From the list, below, circle the units that are **American** units of **length**:

Mile Centimeter Inch Yard Gallon Hectare Foot Carat

2. (Section 6.2) The basic unit of length in the Metric System is the _____ .
3. (Section 6.4) The term “ounce” used here is a unit of _____, and not the same as the “ounce” we use in 6.5, where it is a unit of _____ .
4. (Section 6.5) From the list, below, circle the units that are **American** units of **capacity**:

Pint Liter cubic-centimeter (cc) Gallon Pound Mile Quart Hectare

5. (Section 6.6) Metric system **temperature** is measured in the _____ scale.
6. (Section 6.7) The **acre** is a unit of area in the _____ system of measurement.

(Please see the textbook for a complete list of equivalence tables)

1 in.	2.540 cm
1 ft.	0.305 m
1 yd	0.914 m
1 mi	1.609 km
0.621 mi	1 km
1.094 yd	1 m
3.281 ft	1 m
39.370 in.	1 m

1 kg	1000 g
1 hg	100 g
1 dag	10 g
1 g	1 g
1 dg	0.1 g
1 cg	0.01 g
1 mg	0.001 g

1 gal	4 qt
1 qt	2 pt
1 pt	16 oz
1 pt	2 cups
1 cup	8 oz

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Problems **Complete** (answer with a non-repeating decimal or simplified fraction):

1. (Section 6.1) 63 in. = _____ ft
2. (Section 6.2) 6.88 m = _____ cm
3. (Section 6.2) 0.056 mm = _____ dam
4. (Section 6.3) 10 yd = _____ m
5. (Section 6.3) 9.8552 cm = _____ in
6. (Section 6.4) 25 kg = _____ mg
7. (Section 6.5) 56 qt = _____ gal
8. (Section 6.5) 49 mL = _____ L
9. (Section 6.6) 166,320 min = _____ wk
10. (Section 6.6 $(C = \frac{F-32}{1.8})$) $68^{\circ}F =$ _____ $^{\circ}C$
11. (Section 6.7) $40 \text{ ft}^2 =$ _____ in^2
12. (Section 6.7) $\frac{84}{5} \text{ in}^2 =$ _____ ft^2