Name: _____   Date: _____

Section 8.2 Extra Practice

1. Fill in each blank with the correct word. Use the word list to help you.

C   circumference   diameter   dividing   multiplying   radius

   a) The distance around a circle is called the _____. It is
   represented by the variable _____.
   b) The circumference of a circle is about three times the _____
   or six times the _____.
   c) You can estimate the approximate circumference of a circle if you know
   the diameter, by _____ the diameter by 3.
   d) You can estimate the approximate diameter of a circle if you know the
   circumference by _____ the circumference by 3.

2. Round each value to the nearest tenth. The first one is done for you. To
   round to the nearest tenth, look only at the hundredth's place.
   - If the number in the hundredth's place is 5 or more, move the number in
     the tenths place up by 1.
   - If the number in the hundredth's place is 4 or less, do not change the
     number in the tenth's place.

Decimal Number	Number to Look At	How to Round	Rounded to the Nearest Tenth
75.5467736	The 4 after 5 tenths	Stays the same	75.5
a) 10.3698832			
b) 6.22265757			
c) 137.508221			
d) 3045.08435			

3. Use a calculator to help you fill in the missing values in the table. Use 3.14 as a
   value for π. Round all answers to the nearest tenth. The first one is done for you.

Radius	Diameter	Circumference
15.6 cm	31.2 cm	31.2 × 3.14 = 97.968 Round to 98.0 cm
a) 22.2 cm	_____ cm	_____ cm
b) _____ cm	77 cm	_____ cm
c) _____ cm	_____ cm	112 cm
d) 237 cm	_____ cm	_____ cm