Math Chapter 3 Review pt B&O Line Name: _____

1. Write each number below in expanded form.

   a) 2.849213
   b) 1.404005
   c) 8.400163
   d) 0.003821
   e) 9.030291
   f) 7.734506

2. What are the place values of the underlined digits?

   a) 2.74<u>4</u>494
   b) 8.9<u>2</u>0408
   c) <u>5</u>.485593
   d) 4.143<u>1</u>38
   e) 0.<u>4</u>49481
   f) 7.48321<u>3</u>

3. Write each number below in **standard** form.

   a) 5 + 0.9 + 0.03 + 0.007 + 0.0008 + 0.00005 + 0.000001
   b) 7 + 0.003 + 0.0008 + 0.00002 + 0.000009
   c) 6 + 0.4 + 0.0005 + 0.00008 + 0.000007
   d) 0.8 + 0.07 + 0.002 + 0.0004 + 0.000008
   e) 4 + 0.1 + 0.006 + 0.00008 + 0.000003
   f) 0.06 + 0.008 + 0.000001 + 0.000003

4. **<u>Estimate</u>** the sum by rounding each decimal to the nearest **<u>thousandths</u>** then adding.

   a) 8.380684 + 3.732472 =
   b) 7.491932 + 9.179381 =
   c) 3.917393 + 3.590683 =
   d) 2.961074 + 9.175939 =
   e) 2.382241 + 0.749103 =
   f) 7.840059 + 5.105081 =
   g) 0.759193 + 6.674084 =
   h) 4.185494 + 3.958193 =

5. **<u>Estimate</u>** the sum by rounding each decimal to the nearest **<u>thousandths</u>** then multiply.

   a) 8.380684 x 4 =
   b) 7.491932 x 9 =
   c) 6.947231 x 6 =
   d) 1.975732 x 8
   e) 2.382241 x 47 =
   f) 7.840059 x 53 =
   g) 3.957581 x 35 =
   h) 4.492753 x 62 =

6. Find the quotient.

   a) 4.182 ÷ 6 =
   b) 1.953 ÷ 7 =
   c) 2.748 ÷ 4 =
   d) 0.2844 ÷ 9 =
   e) 5.298 ÷ 3 =
   f) 0.3492÷ 6 =

7. Find the quotient.

   a) 2.4723 ÷ 6 =
   b) 3.5284 ÷ 8 =
   c) 2.13072 ÷ 3 =
   d) 2.4406 ÷ 4 =
   e) 4.26645 ÷ 9 =
   f) 2.31077 ÷ 7 =
   g) 0.2602 ÷ 5 =
   h) 4.3251 ÷ 6 =

8. Kyle wanted to get some new pet dragons for his mansion. The only issue was whether the dragons would weigh too much in his house or not. His house would only be able to handle 160 lbs.

   If each dragon weighed 27.81 lbs, how heavy would:

   a) 3 dragons weigh?
   b) 5 dragons weigh?
   c) 7 dragons weigh?
   d) What is the greatest number of pet dragons that Kyle could have in his house?