Review 3

Name: _____ Date: _____

Solve each problem. Show all of your work. You may use a calculator, textbook, and notes.

1. Put the correct sign, $=$, $<$, or $>$, between each pair of numbers.

(a) $\dfrac{3}{8}$ $\dfrac{5}{8}$

(f) 2.5 $2\dfrac{3}{10}$

(b) $-\dfrac{2}{7}$ $-\dfrac{1}{7}$

(g) -0.66 -0.72

(c) $\dfrac{1}{8}$ $\dfrac{1}{10}$

(h) $-3\dfrac{5}{8}$ -3.62

(d) $\dfrac{3}{8}$ $\dfrac{6}{16}$

(i) 0.44 $\dfrac{4}{9}$

(e) $-\dfrac{3}{8}$ 0.375

(j) $\dfrac{21}{100}$ $\dfrac{208}{1000}$

2. Write the numbers in order from least to greatest.

(a) $\dfrac{1}{2}$, 0.333, $\dfrac{5}{16}$, 0.125

(b) $1\dfrac{5}{8}$, -0.500, $\dfrac{3}{32}$, 0.10

(c) $\dfrac{7}{8}$, $\dfrac{7}{16}$, $\dfrac{7}{32}$, $\dfrac{1}{4}$

For the remaining problems, express each answer exactly as a fraction in lowest terms, a mixed number in lowest terms, or a whole number. There are twelve inches in one foot, three feet in one yard, and sixteen ounces in one pound.

3. What fraction of a foot is 8 inches?

4. If a one-foot threaded rod is cut into six equal parts, how long is each part?

5. How many inches is one quarter of a foot?

6. How many inches is one ninth of a yard?

7. What fraction of a yard is sixteen inches?

8. How many yards is four feet plus two feet?

9. How many inches is one half of a yard plus one third of a foot?

10. If one box weighs 14 ounces, and another weighs $1\frac{7}{8}$ pounds, by how many ounces do they differ in weight?