Name: _____ Date: _____

adapted from: **BLM 1–2**

Section 1.1 Extra Practice

1. Circle the rational numbers in the list below:

17 $\frac{5}{0}$ -3.606 $\sqrt{3}$ $-8\frac{3}{4}$

2. Circle the greater number. In each pair

a) $\frac{9}{19}$, $\frac{10}{20}$ **b)** $-\frac{23}{3}$, $-\frac{21}{2}$ **f)** $-6\frac{5}{7}$, $-7\frac{5}{7}$

3. Express each rational number as a fraction (or mixed number) in lowest terms.

a) 7 ÷ (–14) **b)** –75 ÷ 100 **c)** –4.4

4. Compare $-\frac{3}{4}$, 1.7, –0.6, $1\frac{1}{2}$, and $-0.\overline{6}$. Write the numbers in ascending order (least to greatest).

5. Compare –0.5, $\frac{11}{6}$, $-\frac{2}{3}$, 1.9, and $1.\overline{3}$. Write the numbers in descending order (greatest to least).

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6. For each of the following pairs of rational numbers:

- write the rational numbers in decimal form
- identify a decimal number between the pair of decimal numbers

a) $\frac{1}{4}, \frac{1}{2}$ **b)** $-\frac{1}{10}, -\frac{1}{8}$ **c)** $-1\frac{3}{4}, -1\frac{4}{5}$

7. For each of the following pairs of rational numbers:

- write the rational numbers in fraction form
- identify a fraction between the pair of fractions

a) 0.8, 0.9 **b)** –0.65, –0.66 **c)** –0.9, –1

8. Estimate, then calculate the square of each number.

a) 4.7 **b)** 0.8

9. Given the area of each square, determine its side length. Express your answer to the nearest hundredth.

a) 60.5 cm^2 **b)** 0.92 m^2