Name: _____ Date: _____

BLM 2–5

Section 2.1 Extra Practice

1. Identify the rational numbers.

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

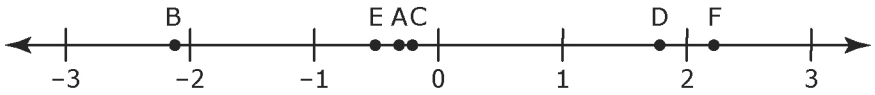
b) -0.2 $9.\overline{12}$ $\frac{0}{0}$ $-\frac{13}{4}$ $7.1234\ldots$

2. Write the opposite of each rational number.

a) 9 **b)** $-\frac{23}{3}$ **c)** -17.6

d) $6.\overline{12}$ **e)** 401 **f)** $-7\frac{5}{7}$

3. Match each letter on the number line to one of the following rational numbers.



$\frac{7}{4}$ -0.3 $2\frac{1}{5}$

$-\frac{1}{3}$ -2.1 $-0.4\overline{9}$

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

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

6. Identify the equivalent fraction pairs.

a) $-\frac{10}{4}$, $\frac{-10}{-4}$ **b)** $-\frac{7}{14}$, $-\frac{1}{2}$ **c)** $\frac{-5}{-2}$, $\frac{5}{2}$

7. Identify the equivalent rational number pairs.

a) $\frac{-3}{-2}$, $1\frac{1}{2}$ **b)** $4.\overline{6}$, $4\frac{2}{3}$ **c)** -0.8, $\frac{-4}{-5}$

Name: _____ Date: _____

8. Identify the smaller value in each pair.

a) $-\frac{1}{2}, \frac{3}{4}$ **b)** $\frac{7}{8}, \frac{8}{9}$ **c)** $-\frac{3}{7}, -\frac{4}{7}$

d) $-\frac{1}{100}, -\frac{1}{10}$ **e)** $-2\frac{3}{4}, -2\frac{3}{8}$ **f)** $0, -\frac{1}{11}$

9. For each of the following pairs of rational numbers,

i) write the rational numbers in decimal form

ii) identify a decimal number between the pair of decimal numbers

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

d) $-\frac{2}{3}, -\frac{5}{6}$ **e)** $-1\frac{3}{4}, -1\frac{4}{5}$ **f)** $-1\frac{19}{20}, -2$

10. For each of the following pairs of rational numbers,

i) write the rational numbers in fraction form

ii) identify a fraction between the pair of fractions

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

11. Express each rational number as a fraction or mixed number in lowest terms.

a) $7 \div (-14)$ **b)** $-75 \div 100$ **c)** –4.4

12. Which integers are between $\frac{16}{3}$ and $\frac{-9}{2}$?