Name _____ Date _____

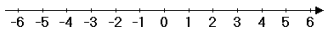
Additional Exercises
1.3 Form I
The Real Numbers

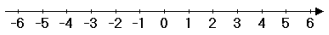
Write a positive or negative integer that describes each situation.

1. 371 feet above sea level. 1. _____

2. $420 in debt. 2. _____

Graph the numbers on the number line.

3. –6, –1, 0, 3 3. 

4. $-3\frac{1}{2},\ -2.5,\ 4\frac{3}{4}$ 4. 

Express each rational number as a decimal.

5. $\frac{1}{5}$ 5. _____

6. $\frac{4}{5}$ 6. _____

7. $7\frac{1}{4}$ 7. _____

8. $10\frac{1}{8}$ 8. _____

9. For the set $\left\{-16,\ -7,\ 0,\ 2,\ \sqrt{10},\ 14\frac{1}{2}\right\}$ name the a) whole numbers, b) the rational numbers and c) the irrational numbers.

9a. _____

b. _____

c. _____

Name _____ Date _____

10. For the set $\left\{-14,\ -\sqrt{25},\ 0,\ 3\pi,\ \sqrt{5},\ \frac{7}{8},\ 10,\ 16.5\right\}$ name the a) integers, b) irrational numbers and c) the natural numbers. 10a._____ b. _____ c. _____

Use either > or < to compare each pair of numbers.

11. –7 –3 11. _____

12. $\frac{3}{4}$ $-\frac{1}{3}$ 12. _____

13. –5.5 5.2 13. _____

14. $\frac{5}{3}$ 2.7 14. _____

Find each absolute value.

15. $|-11|$ 15. _____

16. $|11|$ 16. _____

Determine whether each inequality or statement is true or false.

17. $-12 > -11$ 17. _____

18. $4.5 \leq -5.4$ 18. _____

19. Every integer is a whole number. 19. _____

20. Absolute value is always positive. 20. _____

Name _____ Date _____

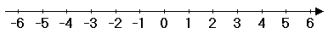
Additional Exercises
1.3 Form II
The Real Numbers

Use integers to represent the value in each expression.

1. 7042 feet above sea level. 1. _____

2. Bank account overdrawn $62.53. 2. _____

Graph the numbers on the number line.

3. $-5.5,\ -3,\ -\frac{1}{4},\ 0,\ 0.75,\ 4\frac{7}{8}$ 3. 

Express each rational number as a decimal.

4. $\frac{3}{5}$ 4. _____

5. $\frac{5}{6}$ 5. _____

6. $1\frac{3}{8}$ 6. _____

7. $19\frac{9}{20}$ 7. _____

8. For the set $\left\{-11,\ -\sqrt{5},\ -\frac{5}{9},\ 0,\ 3,\ \pi,\ 12.6\right\}$ name the 8a. _____
a) natural numbers, b) integers, and c) the rational numbers. b. _____

c. _____

Name _____ Date _____

9. For the set $\left\{-6.8,\ -4,\ -\frac{1}{2},\ 1,\ 4\pi,\ \sqrt{6},\ 9\right\}$ name the a) whole numbers, b) irrational numbers and c) the real numbers.

9a._____

b. _____

c. _____

Find each absolute value.

10. $|-4.5|$ 10. _____

11. $|4.5|$ 11. _____

Use either > or < to compare each pair of numbers.

12. -18 -11 12. _____

13. $\frac{5}{8}$ $-\frac{3}{4}$ 13. _____

14. $-\frac{9}{10}$ $-\frac{5}{6}$ 14. _____

15. $\left|-6\frac{3}{4}\right|$ $\left|-5\frac{7}{8}\right|$ 15. _____

Determine whether each inequality or statement is true or false.

16. $-18 > -14$ 16. _____

17. $6.2 < |5.7|$ 17. _____

18. Every natural number is positive. 18. _____

19. Some numbers are rational and irrational. 19. _____

20. Whole numbers can be positive or negative. 20. _____

Name _____ Date _____

Additional Exercises
1.3 Form III
The Real Numbers

Use integers to represent the value in each expression.

1. An overdrawn bank account of $12.82. 1. _____

2. 3050 feet above sea level. 2. _____

3. A wind chill of 6º below zero. 3. _____

Express each rational number as a decimal.

4. $\frac{3}{8}$ 4. _____

5. $\frac{9}{20}$ 5. _____

6. $16\frac{3}{4}$ 6. _____

7. $25\frac{5}{6}$ 7. _____

8. For the set $\left\{-9,\ -3.7,\ 0,\ 2\frac{7}{9},\ \sqrt{16},\ 15\right\}$ name the a) whole numbers, b) the rational numbers, and c) the integers. 8a. _____ b. _____ c. _____

9. For the set $\left\{-8.1,\ -\sqrt{15},\ -\frac{3}{11},\ -2,\ 6,\ \frac{\pi}{2},\ 7\frac{5}{9}\right\}$ name the a) irrational numbers, b) the rational numbers, and c) the real numbers. 9a._____ b. _____ c. _____

Name _____ Date _____

Find each absolute value.

10. $\left|-8\frac{3}{5}\right|$ 10. _____

11. $|6.47|$ 11. _____

Use either > or < to compare each pair of numbers.

12. $-6\frac{4}{5}$ $-6\frac{11}{12}$ 12. _____

13. –1.2 1.1 13. _____

14. $|-8.3|$ 8 14. _____

15. $|3.25|$ $|-3.5|$ 15. _____

Determine whether each in equality or statement is true or false.

16. $-25.6 > -25.4$ 16. _____

17. $-8\frac{1}{7} < -7\frac{3}{7}$ 17. _____

18. All rational numbers are real numbers. 18. _____

19. Give an example of a rational number that is not a whole number. 19. _____

20. Give an example of a whole number that is Not a natural number. 20. _____