

## HW 1-4A

Date \_\_\_\_\_

**\*Graded Homework.**

\_\_\_\_\_/12

- 1) On a number line, the number furthest to the left has the \_\_\_\_\_ value.  
 A) EQUIVALENT  
 B) GREATEST  
 C) LEAST
- 2) On a number line, the number furthest to the right has the \_\_\_\_\_ value.  
 A) EQUIVALENT  
 B) LEAST  
 C) GREATEST
- 3) What is the only integer that is neither positive or negative?
- 4) What is the opposite of -12?
- 5) In the set below, which integer has the least value?  
 A) -9      B) -1      C) -19
- 6) In the set below, which integer has the greatest value?  
 A) 0      B) -9      C) -19
- 7) Order the set of integers from least to greatest.  
 -9, 0, -1, -19  
 A) 0, -1, -9, -19  
 B) -19, -9, -1, 0  
 C) -19, -1, -9, 0
- 8) Order the set of integers from greatest to least.  
 -1, 0, -2, 2, 1  
 A) 2, 1, -1, -2, 0  
 B) 2, -2, 1, -1, 0  
 C) 2, 1, 0, -1, -2

**Write an integer for each situation.**

- 9) a profit of \$2,000  
 A) -2,000      B) 2,000  
 C) 0
- 10) A dolphin dives 15 feet below water.  
 A) 0      B) -15      C) 15
- 11) Owe \$12  
 A) 12      B) -12      C) 0
- 12) sea level  
 A) -10      B) 0      C) 10

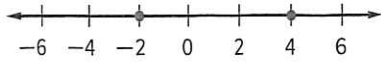
# Extra Practice

Fill in each  $\bigcirc$  with  $<$ ,  $>$ , or  $=$  to make a true statement.

15.  $-2 \bigcirc 4$

Homework Help

Since  $-2$  is to the left of  $4$ ,  
 $-2 < 4$ .



16.  $-6 \bigcirc 3$

17.  $-3 \bigcirc 2$

18. The elevation of Driskill Mountain, Louisiana, is 163 meters above sea level. Death Valley has an elevation of  $-86$  meters. Write an inequality to compare the elevations. Explain the meaning of the inequality.
- \_\_\_\_\_
- \_\_\_\_\_

19. Yvonne owes her sister \$25. Michael's checking account balance is  $-\$20$ . Write an inequality to compare the amounts. Explain the meaning of the inequality.
- \_\_\_\_\_
- \_\_\_\_\_

Order each set of integers from least to greatest.

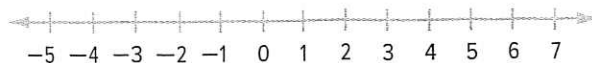
20.  $\{14, 1, 6, 23, 7, 5\}$
- \_\_\_\_\_

21.  $\{-221, 63, 54, -89, -71, -10\}$
- \_\_\_\_\_

22. Gary, Sindhu, and Beth are all waiting for their trains to arrive. Gary's train leaves at 5 minutes before noon, Sindhu's leaves at 25 minutes after noon, and Beth's leaves 5 minutes before Sindhu's train. Order the three by who will leave first.
- \_\_\_\_\_

23. **MP Use Math Tools** Use the bar graph and the information below. The bar graph gives the scores of four golfers (A, B, C, and D). The numbers indicate scores above and below par.

- a. Order the scores on a number line.



- b. Which player had the worst score? Explain your answer.
- \_\_\_\_\_

