# 6.4

# **Absolute Value Assignment**

Name \_\_\_\_\_\_ Period \_\_\_\_\_

Use the <u>vertical number line</u> on the right to graph the location of each object. Then tell which object is farther from sea level.

**1.** Manatee: −2 *m* 

Flounder: −9 m

**2.** Snapper: -8 m

Osprey: 7 m

### Find the absolute value.

**3**. |-9|

- **4.** |9.2|
- 5.  $\left| -\frac{1}{4} \right|$

**8**. |15.9|

- **9. -** | -125 |
- **10**. |200|

## Complete the statement using <, >, or =.

**11.** - | -11.3 | \_\_\_\_ | 16.5 |

**12.** |9| \_\_\_\_ | -9|

13.  $\left| -\frac{1}{6} \right| = \left| \frac{1}{2} \right|$ 

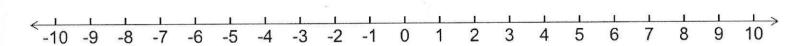
**14.** | -3| \_\_\_\_\_ - |2|

#### Order the values from least to greatest.

A\_\_\_B\_\_\_C\_\_D\_\_E\_\_\_F\_\_\_A\_\_B\_\_\_C\_\_D\_\_E\_\_F\_\_

### **17.** The word *ROTATOR* is a palindrome.

- a. Graph and label the following points on a number line: T = -2, A = 0, R = -6. Then, graph and label the absolute value of each point on the *same* number line.
- **b.** Assign a value to point O so that the letters spell the word *ROTATOR*. Then, graph point O and the absolute value of point O on the *same* number line as part (a).



9-1

8

7

6 5

3

2 ·

0 · -1 ·

-3 -

-4 --5 -

-7 --8 -