

6.4 Absolute Value Assignment

Name _____ Period _____

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

- | | |
|---------------------------|---------------------------|
| 1. Manatee: -2 m | 2. Snapper: -8 m |
| Flounder: -9 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.

- | | |
|-----------------------------------|--|
| 15. $12, -13 , -9, -12, -7 , 0$ | 16. $ 20 , -18 , -15, -16 , 22, -17$ |
|-----------------------------------|--|

A _____ B _____ C _____ D _____ E _____ F _____ A _____ B _____ C _____ D _____ E _____ F _____

17. The word *ROTATOR* is a palindrome.

- 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.
- 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).

