

Name: _____

Algebra 1 Section 2.1 Worksheet

Write each set of numbers in order from least to greatest.

1. $1, -\frac{3}{7}, -2, 5, 1\frac{1}{2}$

2. $1.25, -0.75, 0.5, -1.75, -1$

3. $-0.104, -0.1, -0.1041$

4. $-\frac{3}{5}, -\frac{3}{4}, -\frac{3}{8}$

Place $>$, $<$, or $=$ on the line to make a true statement.

5. $-3 \underline{\hspace{1cm}} -4$

6. $\frac{3}{9} \underline{\hspace{1cm}} \frac{2}{6}$

7. $-\frac{1}{4} \underline{\hspace{1cm}} -\frac{1}{8}$

8. $-\frac{3}{5} \underline{\hspace{1cm}} -\frac{3}{4}$

Simplify.

9. $-(-3.1)$

10. $-[-(-\frac{1}{2})]$

11. $|-6.2|$

12. $-|\frac{3}{4}|$

13. $|-15| + |29|$

14. $|-3| + |-2|$

15. $5 - |-4|$

16. $2 + |-(5)|$

Evaluate each number if $a = 7$, $b = 2\frac{3}{4}$, and $c = -6.1$.

17. $|c|$

18. $-|a|$

19. $|c| - |b|$

20. $|a + b|$

Use a positive or negative number to give the opposite of each situation, then tell what the number represents.

21. 16°C below freezing

22. A gain of 6.5 lb

23. 55 ft below sea level

24. A profit of \$785.95

25. A share of stock increases in value by $1\frac{1}{2}$ points.