

Name: _____

Class: _____

Date: _____

Complete the following statements using the symbols: >, <, =.

- | | |
|--------------------------|-----------|
| 1. $- -9 $ _____ -15 | 1. _____ |
| 2. -8 _____ 10 | 2. _____ |
| 3. 8 _____ -18 | 3. _____ |
| 4. -17 _____ -3 | 4. _____ |
| 5. $ -4 $ _____ $- -3 $ | 5. _____ |
| 6. $- -10 $ _____ $-15 $ | 6. _____ |
| 7. $ -20 $ _____ $- 17 $ | 7. _____ |
| 8. $- -5 $ _____ -8 | 8. _____ |
| 9. 9 _____ 1 | 9. _____ |
| 10. 17 _____ $-5 $ | 10. _____ |

Complete the following statements using the symbols: >, <, =.

- | | |
|---------------------------|-----------|
| 11. $- -9 $ _____ -12 | 11. _____ |
| 12. $- 12 $ _____ $-6 $ | 12. _____ |
| 13. $- -8 $ _____ -11 | 13. _____ |
| 14. $- -18 $ _____ -4 | 14. _____ |
| 15. 14 _____ $-10 $ | 15. _____ |
| 16. $ -16 $ _____ $- -1 $ | 16. _____ |
| 17. $- -10 $ _____ $-13 $ | 17. _____ |
| 18. $- 0 $ _____ -3 | 18. _____ |
| 19. $- -6 $ _____ $-6 $ | 19. _____ |
| 20. $- 12 $ _____ $-9 $ | 20. _____ |

Complete the following statements using the symbols: >, <, =.

- | | |
|---|-----------|
| 21. the absolute value of -19 _____ the absolute value of the opposite of 19 | 21. _____ |
| 22. the opposite of the absolute value of -15 _____ the absolute value of the opposite of -15 | 22. _____ |
| 23. the opposite of the absolute value of 12 _____ the absolute value of the opposite of 12 | 23. _____ |
| 24. the absolute value of -19 _____ the opposite of the opposite of -19 | 24. _____ |
| 25. the absolute value of the opposite of 20 _____ the opposite of the absolute value of 20 | 25. _____ |
| 26. the absolute value of the opposite of -6 _____ the opposite of the absolute value of -6 | 26. _____ |
| 27. the opposite of the opposite of 14 _____ the opposite of 14 | 27. _____ |
| 28. the absolute value of the opposite of -15 _____ the opposite of the absolute value of -15 | 28. _____ |
| 29. the absolute value of -16 _____ the absolute value of the opposite of 16 | 29. _____ |
| 30. the absolute value of the opposite of 19 _____ the opposite of -19 | 30. _____ |

List answers from lowest value to highest value

31. Let $x \in \{-20, -7, 28\}$. Evaluate $|x|$ for each element of the set. 31. _____
32. Let $x \in \{-14, 1, 28\}$. Evaluate $-x$ for each element of the set. 32. _____
33. Let $x \in \{-23, -12, 3, 29\}$. For which values of x is the inequality $x > 3$ a true statement? 33. _____
34. Let $x \in \{-16, -10, 14, 1\}$. For which values of x is the inequality $x > -10$ a true statement? 34. _____
35. Let $x \in \{-26, 7, 22\}$. Evaluate $|x|$ for each element of the set. 35. _____

List answers from lowest value to highest value

36. Let $x \in \{-11, -7, -5, 14\}$. For which values of x is the inequality $x \geq -7$ a true statement? 36. _____
37. Let $x \in \{-19, -11, 7, 5\}$. For which values of x is the inequality $x \geq -11$ a true statement? 37. _____
38. Let $x \in \{-27, 8, 24\}$. Evaluate $-|x|$ for each element of the set. 38. _____
39. Let $x \in \{-17, -1, 10, 26\}$. For which values of x is the inequality $x \leq -1$ a true statement? 39. _____
40. Let $x \in \{-19, 4, 23\}$. Evaluate $-x$ for each element of the set. 40. _____

Answers to Odds

- Question 1: <
 Question 3: <
 Question 5: <
 Question 7: <
 Question 9: <
 Question 11: <
 Question 13: <
 Question 15: <
 Question 17: >
 Question 19: >
 Question 21: =
 Question 23: >
 Question 25: <
 Question 27: <
 Question 29: =
 Question 31: -28, -20, -7
 Question 33: 29
 Question 35: 7, 22, 26
 Question 37: -11, 7, 5
 Question 39: -17, -1