

Answer the questions in the spaces provided on the question sheets. If you run out of room for an answer, raise your hand to ask for an extra piece of paper.

Name and period: _____

1) $|x| =$

2) $|x - 6| = 2$

5) $|x - 3| = 6$

3) $|x - 7| = 3$

6) $|x + 3| = 3$

4) $|x - 4| = 4$

7) $|x - 2| = 5$

8) $|x + 6| = 4$

12) Find the difference $3 - 6$

9) $|x + 1| = -5$

13) Find the difference $9 - (-6)$

10) $|x + 9| = 15$

14) $6 - 0$

11) Find the difference $6 - 2$

15) $a = 1$

16) $b = 7$

20) $9 + 6$

17) $c = -2$

21) $-10 - (-5)$

18) $d = -10$

22) $|6 - 0|$

19) $3 - 6$

23) $|3 - 6|$

24) $|9 + 6|$

28) How could you write a sum that has the same answer as the difference $5 - 3$?

25) $|-10 - (-5)|$

29) How could you write a difference that has the same answer as the sum $5 + 3$?

26) What is the difference between 5 and 2?

30) Object A is at 5 on the number line. Object B is 10 units away from object A. Where could object B be?

27) What is the difference between 2 and 5?

31) For each answer to the last question, write the difference between your answer and 5.

35) Evaluate the expression $|-17|$

32) What happens if you write the difference in the opposite order?

36) Evaluate the expression $|-1|$

33) Evaluate the expression $|10|$

37) Evaluate the expression $|-1+5|$

34) Evaluate the expression $|-3|$

38) Evaluate the expression $|10-15|$

39) Evaluate the expression $|100 - 25|$

43) Evaluate the expression $|-a|$ if $a = 5$

40) Evaluate the expression $|2(-100)|$

44) Evaluate the expression $|-5 + (-3)|$

41) Evaluate the expression $|150|$

45) Evaluate the expression $|3 - 5| + 13$

42) Evaluate the expression $|-500|$

46) Evaluate the expression $|3 + -4| - 5$

47) Evaluate the expression $|3 - h| + 13$ if $h = 5$

48) Write an expression for the distance between 5 and 2