

Name _____

Test 4 Review Chapter 2 Sections 6 – 8

1 – 5 Graph the following inequalities.

1. $x < 4$
2. $x > -6$
3. $x \leq 10$
4. $x \geq 5$ or $x \leq -3$
5. $6 < x < 12$

6 – 7 Solve and Check

6. $2x - 3 \leq 3$
7. $-10x + 2 < -18$

8 – 9 Create a let statement, set up and solve the inequality, write a sentence and check

8. Skateland charges a \$50 flat fee for birthday party rental and \$5.50 for each person. Joanne has no more than \$100 to spend on the birthday party. What is the maximum number of guests Joanne can have at the birthday party?
9. Kevin has \$500 in a savings account at the beginning of the summer. He wants to have at least \$200 in the account by the end of the summer. He withdraws \$25 each week to go out to eat and to the movies with friends. How many weeks can Kevin withdraw from his account and still have at least \$200 left?

10 – 13 solve each (fractions are ok as answers)

10. $2|x - 3| = 14$
11. $3|2x + 4| - 4 = 20$
12. $|3x - 8| > 16$
13. $|2x| < -10$