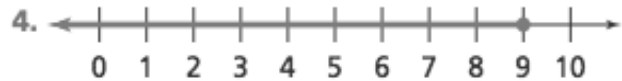
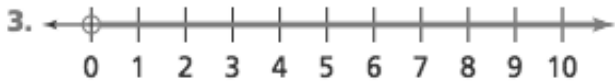
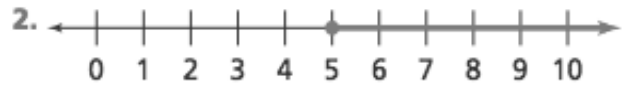
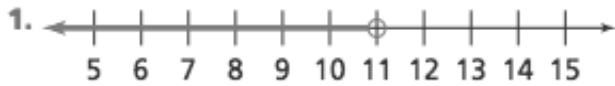


Solve and Graph Inequalities

Name _____

In 1–4, write the inequality that each graph represents.



In 5 and 6, graph each inequality on a number line.

5. $x < 7$



6. $x \geq 7$



In 7 and 8, substitute each given value of the variable to find which, if any, is a solution of the inequality.

7. $x < 12$ $x = 12.5, 13.5, 22, 112$

8. $y > 23$ $y = 20, 23, 25.1, 35$

9. At the right is a portion of a menu at a diner. The inequality $m < 5$ represents the amount of money, m , that Elizabeth has to spend on lunch. Which items can she choose for lunch?

Solve the inequality.

10. $0.2x > 1.5$

11. $y - 14.3 \leq 21.64$

12. $15 < x + 9.8$

13. $\frac{x}{4} \geq 0.65$

Diner Menu	
Turkey Sandwich	\$3.99
Tuna Sandwich with Fruit	\$5.45
Italian Beef Sandwich	\$4.75
Slice of Cheese Pizza	\$2.25
Grilled Chicken Sandwich	\$6.00