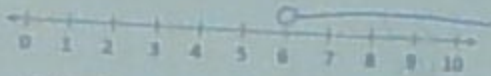


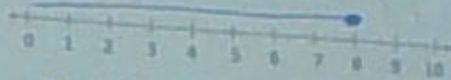
Inequalities Name _____ Date _____ Period _____

Graph each inequality. Answer Key

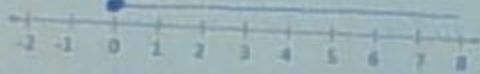
1) $x > 6$



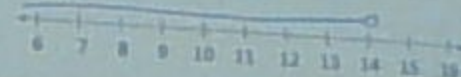
2) $n \leq 8$



3) $r \geq 0$

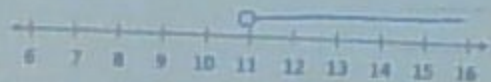


4) $a < 14$

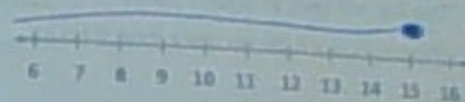


Write each statement as an inequality. Then graph on a number line.

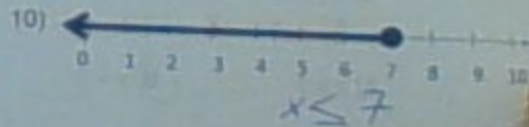
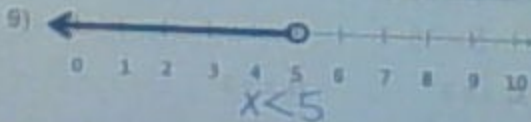
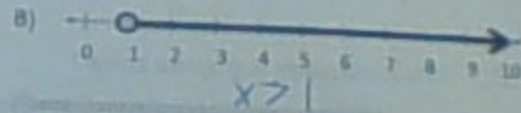
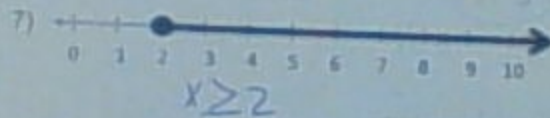
5) p is greater than 11 $p > 11$



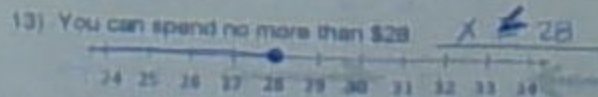
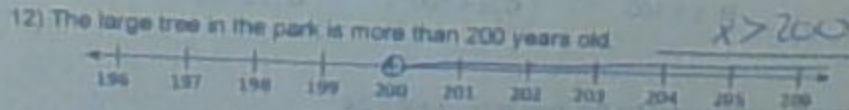
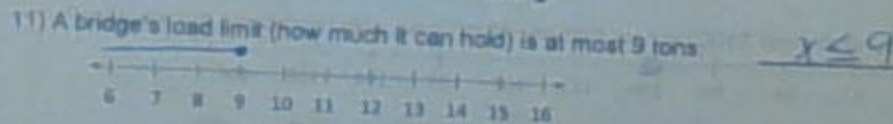
6) x is less than or equal to 15 $x \leq 15$



Write an inequality shown by each graph.



Write and graph an inequality for the following.



State whether the inequality is true or false. Show how you know.

15) $22 - w > 4$, $w = 20$

~~2 > 4~~
No

17) $4x + 8x < 20$, $x = 2$

~~8 < 20~~
No

16) $2x - 7 \geq 7$, $x = 9$

~~9 > 7~~
Yes

18) $5h - 16 + h \leq 14$, $h = 4$

~~20 < 14~~
Yes

Write an inequality for the following statements.

19) The trip will take at least 4 hours

$x \geq 4$

20) The car ride will be no more than 8 hours

$c \leq 8$

21) Which of the following is a solution of the inequality $h + 9 < 20$?

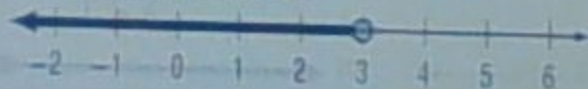
A. 13

B. 12

C. 11

D. 10

22) Which inequality is graphed below?



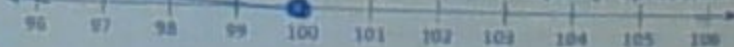
~~A. $x \geq 3$~~

B. $x < 3$

~~C. $x \leq 3$~~

~~D. $x > 3$~~

23) Zachary can spend at most \$100 on new clothes. Which inequality represents this situation?



A. $s < 100$

B. $s > 100$

C. $s \leq 100$

D. $s \geq 100$

24) Which graph shows the solution set for the inequality $l + 6 \geq 24$?

