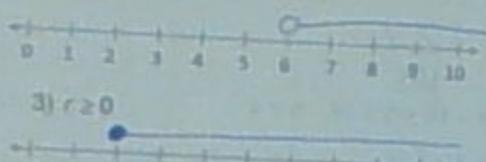


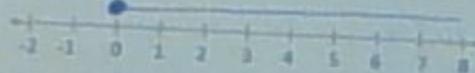
Inequalities Name _____

Graph each inequality.

1) $x > 5$



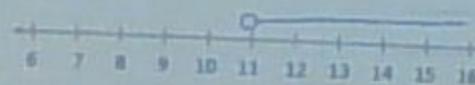
3) $r \geq 0$



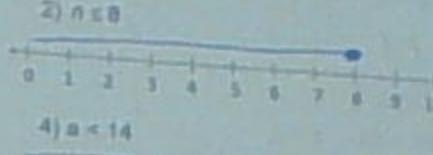
Write each statement as an inequality. Then graph on a number line.

5) p is greater than 11

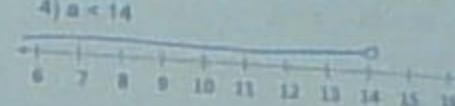
$p > 11$



2) $n \leq 8$

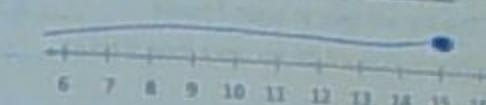


4) $a < 14$



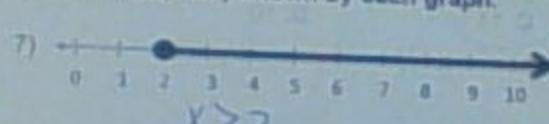
6) x is less than or equal to 15

$x \leq 15$



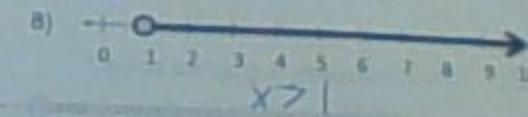
Write an inequality shown by each graph.

7)



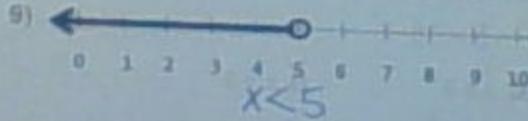
$x \geq 2$

8)



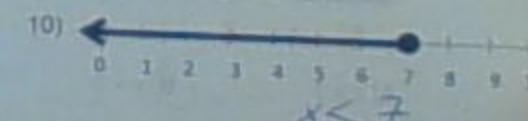
$x > 1$

9)



$x < 5$

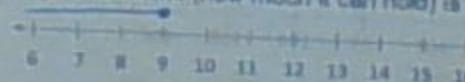
10)



$x \leq 7$

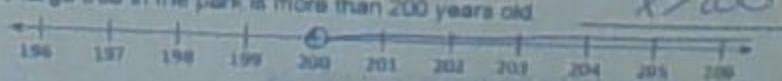
Write and graph an inequality for the following.

11) A bridge's load limit (how much it can hold) is at most 9 tons.



$x \leq 9$

12) The large tree in the park is more than 200 years old.



$x > 200$

13) You can spend no more than \$28.



$x \leq 28$

14) The train will take at least 4 hours.

$x \geq 4$

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

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

$2 \cancel{7} 4$

No

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

$\cancel{5} + 16$

$24 \cancel{+} 8$

No

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

$9 \cancel{2} 7$

Yes

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

$20 - 16 + 4$

$4 + 4$

$B \leq 14$ Yes

Write an inequality for the following statements.

19) The trip will take at least 4 hours

$x \leq 4$

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

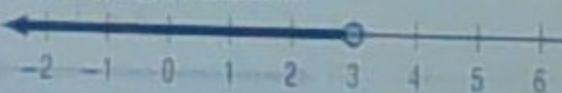
B. 12

C. 11

D. 10

$h = 11$

22) Which inequality is graphed below?



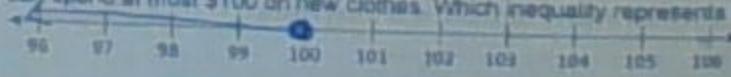
A. $x \geq 3$

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. $x < 100$

B. $x > 100$

C. $x \leq 100$

D. $x \geq 100$

24) Which graph shows the solution set for the inequality $1 + 8 \geq 24$?

$1 + 8 \geq 24$

$9 \geq 24$

$6 \neq 24$

