

hw # 33 - standard 21 - Solve one step inequalities filled in

Name: Key Show work needed to justify your answer. Date: \_\_\_\_\_

HW # 33: Algebra 1 - Standard 21 - Solve One Step Inequalities

5 points

Graph the solution set of each inequality.

1.  $x \leq -5$



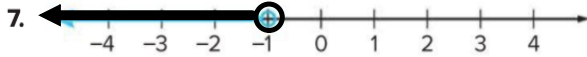
2.  $y \geq -2$



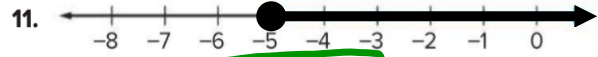
4.  $h < -6$



Write an inequality that represents each graph.



$x < -1$



$x \geq -5$

Solve each inequality.

13.  $m - 4 < 3$

$+4 \quad +4$

$m < 7$

15.  $r - 8 \leq 7$

$+8 \quad +8$

$r \leq 15$

17.  $b + 2 \geq 4$

$-2 \quad -2$

$b \geq 2$

21.  $11 + m \geq 15$

$-11 \quad -11$

$m \geq 4$

28.  $3y \leq 2y - 6$

$-2y \quad -2y$

$y \leq -6$

29.  $6x + 5 \geq 7x$

$-6x \quad -6x$

$5 \geq x$

~~38.~~  $\frac{1}{2}r < 20(2)$

$r < 40$

39.  $(-11) > -\frac{c}{12} \quad (-\frac{1}{12})$

$121 < c$

~~43.~~  $\frac{2}{3}h > \frac{7}{4} \quad (\frac{3}{2})$

$h > 21$

~~44.~~  $\frac{-4}{3} \left( -\frac{3}{4}j \right) \geq \frac{4}{1} \left( -\frac{4}{3} \right)$

$j \leq -16$

50.  $-6v > -72$

$-6 \quad -6$

$v < 12$

52.  $4b \leq -3$

$b \leq -\frac{3}{4}$