

Name \_\_\_\_\_

Date \_\_\_\_\_

## Solving Inequalities Worksheet

1.  $6(n + 10) \geq 31$

2.  $6(y + 6) \geq 35$

3.  $-8 \leq \frac{m}{10} - 10$

4.  $5 \leq \frac{u}{-3} + 19$

5.  $6r + 10 \geq 19$

6.  $7g + 18 < 4g + 10$

7.  $5m + 2 < 9m + 1$

8.  $-21 > -2m + 7$

9.  $58 \geq 14 + 11w$

10.  $-5(u - 19) \leq -6 + 2u$

11.  $4h - 6 \geq 140$

12.  $144 \leq 12a - 4$

13.  $22 \leq -7(b - 19)$

14.  $6u + 6 < u + 29$

## Answer Key

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1.  $n \geq -29/6$

2.  $y \geq -1/6$

3.  $m \geq 20$

4.  $u > 42$

5.  $r \geq 3/2$

6.  $g < -8/3$

7.  $m > 1/4$

8.  $m < 14$

9.  $w \leq 4$

10.  $u \leq 101/7$

11.  $h \geq 73/2$

12.  $a \geq 37/3$

13.  $b \geq 111/7$

14.  $u < 23/5$