

Name : \_\_\_\_\_

Date : \_\_\_\_\_

## Solving Inequalities Worksheet

1  $-21 > -2m + 7$

2  $4(2 - x) \geq -8$

3  $\frac{x}{2} + 1 \leq 5$

4  $x + 6 \geq 4$

5  $5p + 2 < 9p + 1$

6  $3y - 8 \leq 22$

7  $-10x + 2 < -18$

8  $2e - 1 \leq 18$

9  $2 + 8y < 7$

10  $\frac{-5s}{3} - 6 \geq 6$

11  $4x - 5 < 19$

12  $7f + 18 < 4f + 10$

Name: \_\_\_\_\_

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## Solving Inequalities Worksheet

### Answers

1  $-21 > -2m + 7$

$m > 14$

3  $\frac{x}{2} + 1 \leq 5$

$x \leq 8$

5  $5p + 2 < 9p + 1$

$p > \frac{1}{4}$

7  $-10x + 2 < -18$

$x > 2$

9  $2 + 8y < 7$

$y < \frac{5}{8}$

11  $4x - 5 < 19$

$x < 6$

2  $4(2 - x) \geq -8$

$x \leq 4$

4  $x + 6 \geq 4$

$x \geq -2$

6  $3y - 8 \leq 22$

$y \leq 10$

8  $2e - 1 \leq 18$

$e \leq \frac{19}{2}$

10  $\frac{-5s}{3} - 6 \geq 6$

$s \leq -\frac{36}{5}$

12  $7f + 18 < 4f + 10$

$f < -\frac{8}{3}$