

Name:

Date:

Period:

### Lesson 6.5

#### Using Inverse Operations to Solve Multiplication Problems

Solve each equation and inequality by using inverse operations.

Plot the answer(s) to the inequalities on a number line.

1a.  $3w = 18$

1b.  $3w > 18$

2a.  $10x = 190$

2b.  $10x < 190$

3a.  $14y = 56$

3b.  $14y \leq 56$

4a.  $6m = 216$

4b.  $6m \geq 216$

5a.  $12f = 156$

5b.  $12f > 156$

6a.  $534 = 2w$

6b.  $534 > 2w$

7a.  $75 = 4c$

7a.  $75 \geq 4c$

8a.  $3 = 3d$

8b.  $3 \leq 3d$

7

Select **all** equations that have  $x = 3$  as a solution.

$x + 7 = 10$

$3 + x = 3$

$x \cdot 3 = 1$

$4 \cdot x = 12$

27

This table contains  $x$  and  $y$  values in equivalent ratios. Fill in the missing value in the table.

$x$	$y$
2	6
5	<input type="text"/>
7	21
9	27