

Name:
Date:
Period:

Lesson 6.3
Using Inverse Operations to Solve Addition Problems

Solve each equation and inequality by using inverse operations.
Plot the answer(s) on a number line.

1a. $w + 7 = 8$

1b. $w + 7 > 8$

2a. $x + 1 = 19$

2b. $x + 1 < 19$

3a. $y + 14 = 3$

3b. $y + 14 \geq 3$

4a. $189 + z = 211$

4b. $189 + z \leq 211$

5a. $123 + a = 645$

5b. $123 + a > 645$

6a. $534 = w + 12$

6b. $534 < w + 12$

7a. $75 = 37 + c$

7a. $75 \geq 37 + c$

8a. $178 = 200 + d$

8b. $178 \leq 200 + d$

9. What is the difference between an equation and an inequality? Give some examples to illustrate your points.