Name _____ Class _____ Date _____

Reteaching 2-9 Solving One-Step Inequalities by Adding or Subtracting

Write an inequality for the sentence. Then solve the inequality. The sum of a number n and seven is greater than twelve.

Words Sum of a number n and seven is greater than twelve

Inequality $n + 7 > 12$

To solve, subtract 7 from each side.

$$n + 7 > 12$$
$$n + 7 - 7 > 12 - 7$$
$$n > 5$$

Check: $6 > 5$

Is $6 + 7 > 12$? Yes.

Write an inequality for each sentence. Then solve the inequality.

1. Eight less than a number k is less than 5.

_____

2. Nine plus a number x is greater than or equal to negative two.

_____

3. Five subtracted from a number p is less than or equal to negative ten.

_____

4. A number d plus 17 is less than 25.

_____

5. The sum of a number s and six is greater than negative seven.

_____

6. Ten subtracted from a number y is less than twenty.

_____

7. 82 plus a number j is greater than or equal to -28.

_____

8. A number n minus 9 is less than or equal to -23.

_____

9. Nineteen less than a number h is greater than three.

_____

Reteaching