MONDAY 12/4
7TH GRADE MATH HOMEWORK

Check It Out Vocabulary Help BigIdeasMath.com

Review Key Vocabulary

inequality, *p. 126*
solution of an inequality, *p. 126*
solution set, *p. 126*
graph of an inequality, *p. 127*

Review Examples and Exercises

4.1 Writing and Graphing Inequalities *(pp. 124–129)*

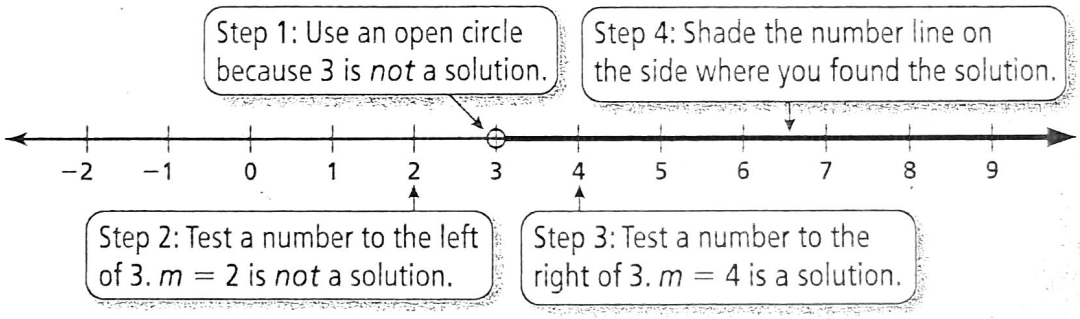
a. Six plus a number x is at most $-\frac{1}{4}$. Write this word sentence as an inequality.

Six plus a number x is at most $-\frac{1}{4}$.

$6 + x$ $\leq$ $-\frac{1}{4}$

$\therefore$ An inequality is $6 + x \leq -\frac{1}{4}$.

b. Graph $m > 3$.



Exercises

Write the word sentence as an inequality.

1. A number w is greater than -3.
2. A number y minus $\frac{1}{2}$ is no more than $-\frac{3}{2}$.

Tell whether the given value is a solution of the inequality.

3. $5 + j > 8; j = 7$
4. $6 \div n \leq -5; n = -3$

Graph the inequality on a number line.

5. $q > -1.3$
6. $s < 1\frac{3}{4}$
7. **BUMPER CARS** You must be at least 42 inches tall to ride the bumper cars at an amusement park. Write an inequality that represents this situation.