

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

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

**Learning Goal 6.2**

I can solve inequalities.

 $>$  $\geq$  $\leq$  $<$ **Example** Define a variable and write an inequality for each situation.

**Example** Is each number a solution of the inequality  $b \geq -4$ ? Justify your answers.

a.  $-8$

b.  $-3.5$

c.  $-4$

d.  $-4.5$

e.  $0$

**Example** Graph each inequality on a number line. Write 4 numbers that are solutions of the inequality.

a.  $-2 \geq x$

b.  $t > -5$

c.  $0.5 \leq a$

d.  $p < -8.25$