

Name \_\_\_\_\_

# 3-6A Lesson Master

**Questions on SPUR Objectives**

See pages 178–179 for objectives.

## PROPERTIES Objective C

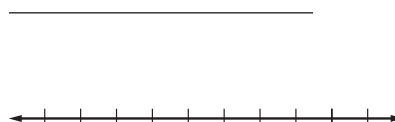
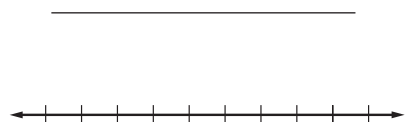
- Fill in the blank with  $<$ ,  $>$ , or  $=$ . If  $-x < a$ , then  $x$  ?  $-a$ ? \_\_\_\_\_
- What inequality results if both sides of  $0.18a \geq 0.09$  are multiplied by  $\frac{1}{0.18}$ ? \_\_\_\_\_
- Given the inequality  $\frac{-5}{12}w > -25$ , a student writes  $5w < 300$  as a next step. Is the student correct? Why or why not?  
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## REPRESENTATIONS Objectives C and F

In 4–9, solve the inequality and graph the solutions on a number line.

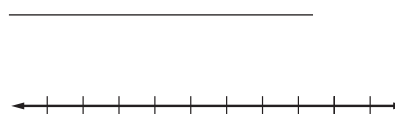
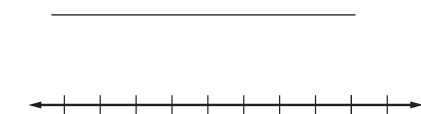
4.  $18s < 6$

5.  $12x > 36$



6.  $\frac{2}{3}k \leq \frac{1}{6}$

7.  $13 > -3(2y)$



8.  $3.9n \geq -19.5$

9.  $-8.6t \geq 86\left(\frac{1}{2}\right)$

