

Name

3-6A

Lesson Master

Questions on SPUR Objectives
See pages 178–179 for objectives.

PROPERTIES

Objective C

1. Fill in the blank with $<$, $>$, or $=$. If $-x < a$, then x ? $-a$?
2. What inequality results if both sides of $0.18a \geq 0.09$ are multiplied by $\frac{1}{0.18}$?
3. 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?

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