

Name _____

3-6B Lesson Master

Questions on SPUR Objectives

See pages 178–179 for objectives.

PROPERTIES Objective C

1. What value of k will make the statement true?

If $x > y$ then $kx < ky$.

2. What inequality results if both sides of $7m \leq 14$ are multiplied by $\frac{1}{7}$?

3. What should both sides of $\frac{2}{3}n > \frac{5}{6}$ be multiplied by to get $n > \frac{5}{4}$?

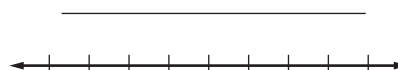
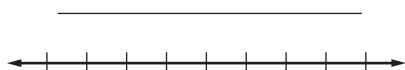
4. What should both sides of $-5p \leq \frac{3}{5}$ be multiplied by to get $p \geq \frac{-3}{25}$?

REPRESENTATIONS Objective C and F

In 5–19, solve the inequality and graph the solution.

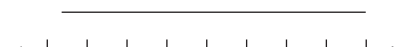
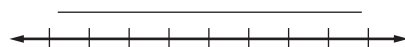
5. $13a > -65$

6. $-2c > 10$



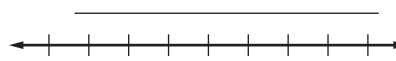
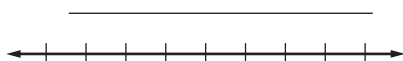
7. $-\frac{3}{4}(2e - 6e) \geq 9$

8. $24b \leq 3$



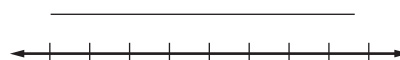
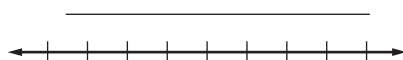
9. $30 < \frac{2}{5}(d + 4d)$

10. $-\frac{7}{4}f \leq 9 + 5$



11. $15 > -2(3g)$

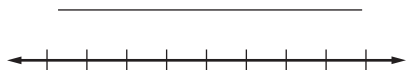
12. $8(-6k) < 90 + 6$



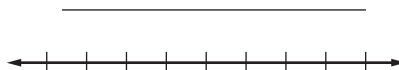
Name _____

3-6B**page 2**

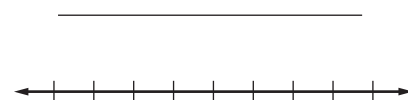
13. $-1.8n < 7.2$



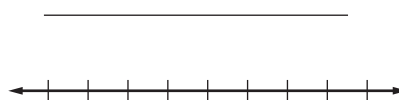
14. $-7(-4h) \leq 56$



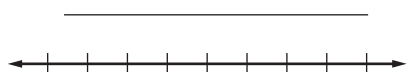
15. $3.2m \geq -17.28$



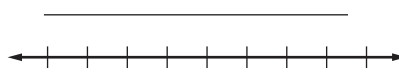
16. $0.2p \leq 8.1 - 6.4$



17. $-8r + 5r > 11 + 4$



18. $t - \frac{1}{4}t < 9$



19. $6 + 8 > 7w$

