

Name _____

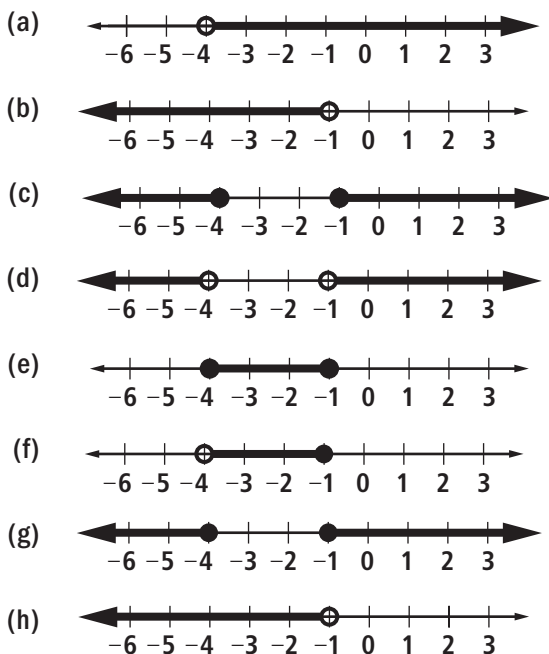
4-8B Lesson Master**Questions on SPUR Objectives**

See pages 245–249 for objectives.

SKILLS Objective B

In 1-8, match each sentence with its graph.

1. $r < -4$ or $r > -1$
2. $r \geq -4$ and $r \leq -1$
3. $r > -4$
4. $r \leq -4$ or $r \geq -1$
5. $r < -1$
6. $r \leq -4$ and $r < -1$
7. $r \leq -1$ and $r > -4$
8. $r \leq -4$ and $r \geq -1$





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In 9 and 10, fill in the blanks to describe the interval with \pm notation.


9. _____ \pm _____



10. _____ \pm _____



In 11-16, solve and graph on a number line.


11. $-8 < 3h - 5 \leq 1$


12. $2t < -3$ or $4t - 6 \geq t$


13. $1 > -6y - 5$ and $0 < 50 - 10y$


14. $\frac{-23}{7} \geq \frac{-6}{7}z + 1 \geq -5$


15. $3s - 10 > 2$ or $5s - 15 < -5$


16. $5x - 2 > 8$ and $-2(x + 1) \geq 4$


17. Rachel is planning a wedding for 100 to 250 people, depending on costs. She has hired a caterer that charges \$20 per person, plus a flat fee of \$200.

a. Write an inequality in terms of p people that describes how many people Rachel plans to invite.

b. Adjust that inequality to show how much the caterer will charge in terms of p .

c. What is the range of catering fees that Rachel is considering?
