**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 \( r \geq -1 \)

(a) 

(b) 

(c) 

(d) 

(e) 

(f) 

(g) 

(h)
In 9 and 10, fill in the blanks to describe the interval with ± notation.

9. __________ ± __________

10. __________ ± __________

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

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

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?