$\qquad$
Date: $\qquad$

Solve the inequality and graph the solution.

1. $0 \leq x+9<17$
2. $-14<7 x<21$
3. $x-4<-12$ or $2 x \geq 12$

4. $-13 \leq 5-2 x<9$
5. $-22>11 x$ or $4+x>4$

6. $2 x+1>13$ or $-18>7 x+3$
7. $-3 \leq 2 x+1<9$
8. $1 \leq 3 x \leq 6$

9. $3 x-6 \leq 0$ or $4 x+5 \geq-3$
10. $7<1-x<13$

11. On Pennsylvania's interstate highway the speed limit is 65 mph . The minimum speed limit is 45 mph. Write a compound inequality that represents the speeds at which you may legally drive.
