## SKILL Practice

1. VOCABULARY Copy and complete: To graph $x<-8$, you draw $a(n)$ $\qquad$ ? circle at -8 , and you draw an arrow to the $\qquad$ ?.

EXAMPLE 1.
on p. 356
for Exs. 3-5

EXAMPLE 2
on p. 356
for Exs. 6-9

EXAMPLES
3 and 4
on pp. 357-358
for Exs. 10-23

WRITING AND GRAPHING INEQUALITIES Write and graph an inequality that describes the situation.
3. The speed limit on a highway is 60 miles per hour.
4. You must be at least 16 years old to go on a field trip.
5. A child must be taller than 48 inches to get on an amusement park ride.

WRITING INEQUALITIES Write an inequality represented by the graph.
6.

8.


9.


SOLVING INEQUALITIES Solve the inequality. Graph your solution.
10. $x+4<5$
11. $-8 \leq 8+y$
12. $-1 \frac{1}{4} \leq m+3$
13. $n+17 \leq 16 \frac{4}{5}$
14. $8.2+v>-7.6$
(15.) $w+14.9>-2.7$
16. $r-4<-5$
17. $1 \leq s-8$
18. $-1 \frac{1}{3} \leq p-8 \frac{1}{3}$
19. $q-1 \frac{1}{3}>-2 \frac{1}{2}$
20. $2.1 \geq c-6.7$
21. $d-1.92>-8.76$

ERROR ANALYSIS Describe and correct the error in solving the inequality or in graphing the solution.
22.

23.

$$
\begin{gathered}
-17 \leq x-14 \\
-17+14 \leq x-14+14 \\
-3 \leq x
\end{gathered}
$$

TRANSLATING SENTENCES Write the verbal sentence as an inequality. Then solve the inequality and graph your solution.
24. The sum of 11 and $m$ is greater than -23 .
25. The difference of $n$ and 15 is less than or equal to 37 .
26. The difference of $c$ and 13 is less than -19 .

