Questions

Solve the inequality. Write the solution using interval notation, set notation, and graph it on a number line.

- 1. 3x 6 > 9.
- **2.** $7 5x \le -3$.
- 3. $-2 \le 7 \frac{x}{2} < \frac{5}{3}$.
- **4.** $-\frac{1}{2}(4-x) > 1$ and $\frac{1}{3}(2x-20) \le 1$.
- **5.** $|x-1| \ge 1$.
- **6.** |4x 3| < 5.
- 7. A spherical bearing is to have a circumference of 7.2cm with an error of no more than 0.1cm. Use an absolute value inequality to find the acceptable range of values for the diameter of the bearing.