Graph Inequalities

Graph the inequality.

1. \( h \geq 3 \)
   Draw a filled-in circle at \( \frac{3}{1} \) to show that 3 is a solution. Shade to the right of \( 3 \) to show that values greater than 3 are solutions.

2. \( x < \frac{-4}{5} \)

3. \( y > -2 \)

4. \( b < 8 \)

5. \( m \leq 3 \)

6. \( n \geq \frac{1}{2} \)

7. \( c \leq -0.4 \)

Write the inequality represented by the graph.

8. \( x > 3 \)

9. \( x > -5 \)

Problem Solving

10. The inequality \( x \leq 2 \) represents the elevation \( x \) of a certain object found at a dig site. Graph the solutions of the inequality on the number line.

11. The inequality \( x \geq 144 \) represents the possible scores \( x \) needed to pass a certain test. Graph the solutions of the inequality on the number line.