4-8A Lesson Master

SKILLS Objective B

In 1–4, match each sentence with its graph.

1. \( t < -3 \) or \( t \geq 1.5 \)  
   \( t < -3 \) and \( 1.5 \geq t \)  
   \( -3 < t \leq 1.5 \)  
   \( t < -3 \) or \( t > 1.5 \)  

In 5–8, solve and graph on a number line.

5. \( 8 \leq 3r + 9 < 9 \)  
6. \( 7z \leq 7.7 \) or \( 3z - 4 > z \)

7. \( 4y - 80 > 16 \) and \( 2 - 2y > -90 \)  
8. \( -1 \geq \frac{4}{3} q + 2 \geq -8 \)

9. A fire extinguisher has a label indicating that it should be filled to a pressure of 190 ± 20 psi. Write a double inequality describing the safe pressures for the fire extinguisher, and graph this inequality.