

1. Using an interval or intervals, describe all the x -values within or including a distance of the given values.

No less than 8 units from the number 4.

2. Solve the linear inequality below.

$$-8 + 6x \leq \frac{59x - 9}{9} < 8 + 3x$$

3. Solve the linear inequality below.

$$-5x + 7 \geq 3x - 4$$

4. Solve the linear inequality below.

$$9 - 4x > 5x \text{ or } 3 + 4x < 5x$$

5. Solve the linear inequality below.

$$-7x - 7 \leq 10x + 10$$

6. Solve the linear inequality below.

$$\frac{-3}{6} + \frac{5}{4}x \geq \frac{10}{9}x - \frac{6}{8}$$

7. Solve the linear inequality below.

$$-8 + 8x > 9x \text{ or } -7 + 8x < 11x$$

8. Solve the linear inequality below.

$$4 - 4x < \frac{-8x + 3}{3} \leq 6 - 4x$$

9. Solve the linear inequality below.

$$\frac{-5}{4} - \frac{8}{7}x \geq \frac{4}{9}x + \frac{9}{5}$$

10. Using an interval or intervals, describe all the x -values within or including a distance of the given values.

No less than 2 units from the number 7.