

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

More than 9 units from the number -5 .

2. Solve the linear inequality below.

$$-9 - 7x \leq \frac{-20x + 4}{8} < 9 - 3x$$

3. Solve the linear inequality below.

$$-9x + 8 \geq -6x - 4$$

4. Solve the linear inequality below.

$$-8 + 3x > 5x \text{ or } -3 + 6x < 9x$$

5. Solve the linear inequality below.

$$-9x + 8 \geq 5x - 4$$

6. Solve the linear inequality below.

$$\frac{8}{6} + \frac{7}{4}x < \frac{8}{7}x - \frac{8}{5}$$

7. Solve the linear inequality below.

$$-4 + 3x > 4x \text{ or } -3 + 6x < 8x$$

8. Solve the linear inequality below.

$$-9 - 9x \leq \frac{-50x + 5}{9} < 6 - 6x$$

9. Solve the linear inequality below.

$$\frac{-4}{2} - \frac{3}{9}x < \frac{3}{3}x + \frac{10}{8}$$

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

Less than 4 units from the number -3 .