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

No more than 4 units from the number -7.

A. $[-11, -3]$

B. $(-3, 11)$

C. $(-11, -3)$

D. $[-3, 11]$

---

12. Solve the linear inequality below. Then, choose the constant and interval combination that describes the solution set.

$$-10x + 10 \leq 3x + 5$$

$a = \boxed{}$

A. $[a, \infty)$, where $a \in [-0.1, 1]$

B. $[a, \infty)$, where $a \in [-3, -0.2]$

C. $(-\infty, a]$, where $a \in [-1.6, -0.2]$

D. $(-\infty, a]$, where $a \in [0, 3.6]$

E. $(-\infty, \infty)$

---

13. Solve the linear inequality below. Then, choose the constant and interval combination that describes the solution set.

$$\frac{5x}{3} + 3 > \frac{7x}{6} + \frac{4}{5}$$

$a = \boxed{}$

A. (a, ∞), where $a \in [0, 6]$

B. (a, ∞), where $a \in [-6, 0]$

C. $(-\infty, a)$, where $a \in [-9, -3]$

D. $(-\infty, a)$, where $a \in [2, 7]$

E. There is no solution to the inequality.

---

14. Solve the linear inequality below. Then, choose the constant and interval combination that describes the solution set.

$$-8 + 3x > 6x \quad \text{or} \quad 3 + 9x < 11x$$

$a =$ $\boxed{}$ $b =$ $\boxed{}$

A. $(-\infty, a] \cup [b, \infty)$, where $a \in [-1.71, -1.46]$ and $b \in [2.38, 3.67]$

B. $(-\infty, a) \cup (b, \infty)$, where $a \in [-2.3, -0.1]$ and $b \in [2.03, 3.28]$

C. $(-\infty, a) \cup (b, \infty)$, where $a \in [-3.7, -1.8]$ and $b \in [1.03, 1.64]$

D. $(-\infty, a] \cup [b, \infty)$, where $a \in [-2.85, -2.32]$ and $b \in [1.24, 1.88]$

E. $(-\infty, \infty)$

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15. Solve the linear inequality below. Then, choose the constant and interval combination that describes the solution set.

$$-6 + 7x < \frac{65x - 3}{9} \leq 9 + 4x$$

$a =$ $\boxed{}$ $b =$ $\boxed{}$

A. $(a, b]$, where $a \in [-28, -22]$ and $b \in [2, 11]$

B. $[a, b)$, where $a \in [-5, -1]$ and $b \in [22, 28]$

C. $[a, b)$, where $a \in [-29, -24]$ and $b \in [0, 4]$

D. $(a, b]$, where $a \in [-3, 0]$ and $b \in [22, 31]$

E. There is no solution to the inequality.
