

[13] 7 and x are closer than 3 apart

SOLUTIONS

- [1] -8 is 4 away from x
the distance between x and -8 is 4 $|x - (-8)| = 4$ or $|x + 8| = 4$
- [2] 7 and x are farther than 3 apart
the distance between x and 7 is greater than 3 $|x - 7| > 3$
- [3] x and 3 are separated by no more than 7
the distance between x and 3 is less than or equal to 7 $|x - 3| \leq 7$
- [4] x is within 7 of 3
the distance between x and 3 is less than or equal to 7 $|x - 3| \leq 7$
- [5] x is at most 7 away from 3
the distance between x and 3 is less than or equal to 7 $|x - 3| \leq 7$
- [6] x is a maximum of 3 away from 7
the distance between x and 7 is less than or equal to 3 $|x - 7| \leq 3$
- [7] x and 7 are no closer than 3 away from each other
the distance between x and 7 is greater than or equal to 3 $|x - 7| \geq 3$
- [8] x and 3 are separated by at least 7
the distance between x and 3 is greater than or equal to 7 $|x - 3| \geq 7$
- [9] x is beyond 3 of 7
the distance between x and 7 is greater than 3 $|x - 7| > 3$
- [10] x is no farther than 7 away from 3
the distance between x and 3 is less than or equal to 7 $|x - 3| \leq 7$
- [11] x is no less than 7 away from 3
the distance between x and 3 is greater than or equal to 7 $|x - 3| \geq 7$
- [12] x is a minimum of 3 away from 7
the distance between x and 7 is greater than or equal to 3 $|x - 7| \geq 3$
- [13] 7 and x are closer than 3 apart
the distance between x and 7 is less than 3 $|x - 7| < 3$