 Interval notation matching task

1. From the following table, each entry contains a representation of an interval. Match each of the interval notations with its equivalent representations.

| Interval notation 1 | Interval notation 2 | Interval |
| --- | --- | --- |
| $$[3, 5]$$ | $$-3<x<5$$ | Interval represented on a number line |
| $$(3, 5)$$ | $$-5\leq x<3$$ | Interval represented on a number line |
| $$[3, 5)$$ | $$-5<x<3$$ | Interval represented on a number line |
| $$(3, 5]$$ | $$3\leq x\leq 5$$ | Interval represented on a number line |
| $$[-5,-3]$$ | $$-3\leq x\leq 5$$ | Interval represented on a number line |
| $$(-5,-3)$$ | $$-5\leq x<-3$$ | Interval represented on a number line |
| $$[-5,-3)$$ | $$-5\leq x\leq 3$$ | Interval represented on a number line |
| $$(-5,-3]$$ | $$-5\leq x\leq -3$$ | Interval represented on a number line |
| $$[-3, 5]$$ | $$-3\leq x<5$$ | Interval represented on a number line |
| $$(-3, 5)$$ | $$3<x<5$$ | Interval represented on a number line |
| $$[-3, 5)$$ | $$3<x\leq 5$$ | Interval represented on a number line |
| $$(-3, 5]$$ | $$-5<x\leq 3$$ | Interval represented on a number line |
| $$[-5, 3]$$ | $$-3<x\leq 5$$ | Interval represented on a number line |
| $$(-5, 3)$$ | $$-5<x<-3$$ | Interval represented on a number line |
| $$[-5, 3)$$ | $$3\leq x<5$$ | Interval represented on a number line |
| $$(-5, 3]$$ | $$-5<x\leq -3$$ | Interval represented on a number line |

Solutions

| Interval notation 1 | Interval notation 2 | Interval |
| --- | --- | --- |
| $$[3, 5]$$ | $$3\leq x\leq 5$$ | Interval represented on a number line |
| $$(3, 5)$$ | $$3<x<5$$ | Interval represented on a number line |
| $$[3, 5)$$ | $$3\leq x<5$$ | Interval represented on a number line |
| $$(3, 5]$$ | $$3<x\leq 5$$ | Interval represented on a number line |
| $$[-5,-3]$$ | $$-5\leq x\leq -3$$ | Interval represented on a number line |
| $$(-5,-3)$$ | $$-5<x<-3$$ | Interval represented on a number line |
| $$[-5,-3)$$ | $$-5\leq x<-3$$ | Interval represented on a number line |
| $$(-5,-3]$$ | $$-5<x\leq -3$$ | Interval represented on a number line |
| $$[-3, 5]$$ | $$-3\leq x\leq 5$$ | Interval represented on a number line |
| $$(-3, 5)$$ | $$-3<x<5$$ | Interval represented on a number line |
| $$[-3, 5)$$ | $$-3\leq x<5$$ | Interval represented on a number line |
| $$(-3, 5]$$ | $$-3<x\leq 5$$ | Interval represented on a number line |
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| $$[-5, 3)$$ | $$-5\leq x<3$$ | Interval represented on a number line |
| $$(-5, 3]$$ | $$-5<x\leq 3$$ | Interval represented on a number line |