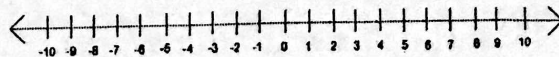
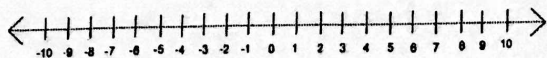


Math 3 U3 Day 1 HW - Interval Notation

Describe in words and graph:

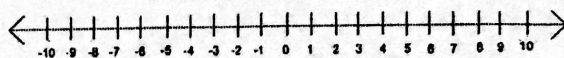
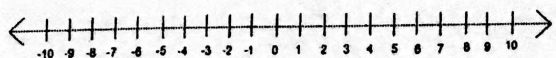
1. $x \leq 2$ _____

3. $-2 \leq x < 5$ _____



3. $(-\infty, 7)$ _____

4. $[-3, 3]$ _____



Use Interval Notation to describe the expression:

5. _____

A number line from -5 to 5 with tick marks every 1 unit. A solid vertical line is drawn at 4, and an arrow points to the right from this line, indicating the solution set $x \geq 4$.

6. _____

A number line from -5 to 5 with tick marks every 1 unit. A solid vertical line is drawn at 2, and an arrow points to the left from this line, indicating the solution set $x \leq 2$.

7. x is between -1 and 2 . _____

8. x is greater than or equal to 5 . _____

9. _____

A number line from -5 to 5 with tick marks every 1 unit. A solid vertical line is drawn at 1, and an arrow points to the right from this line, indicating the solution set $x \geq 1$.

10. _____

A number line from -5 to 5 with tick marks every 1 unit. A solid vertical line is drawn at -1, and an arrow points to the right from this line, indicating the solution set $x \geq -1$.

11. x is greater than -3 and less than or equal to 4 . _____

12. x is positive. _____

Convert to an inequality:

13. $[-3, 6]$ _____

14. $(-3, -1)$ _____

15. $(-\infty, 7)$ _____

16. $[-3, 3]$ _____