

Instructions: Fill in the missing parts in the chart below.

| | Inequality | Interval Notation | Graph |
|-----|-----------------------|--|-------|
| Ex. | $-3 \leq x < 5$ | $[-3, 5)$ | |
| Ex. | $2 < x$ | $(2, \infty)$ | |
| 1. | $x \leq 3$ | $(-\infty, 3]$ | |
| 2. | $x < 4$ | $(-\infty, 4)$ | |
| 3. | $2 \leq x \leq 6$ | $[2, 6]$ | |
| 4. | $5 \leq x$ | $[5, \infty)$ | |
| 5. | $x \leq 1$ | $(-\infty, 1]$ | |
| 6. | $x < 1$ or $x \geq 5$ | $(-\infty, 1) \cup [5, \infty)$ <small>union = "or"</small> | |
| 7. | $2 < x < 6$ | $(2, 6)$ | |
| 8. | x is any real # | $(-\infty, \infty)$ or \mathbb{R} | |