## VARIOUS NOTATIONS AND DESCRIPTIONS



## Notes

1. In interval notation, use parenthesis with $-\infty$ or $\infty$.
2. A statement such as " $6>x>8$ " is false since $x$ cannot be less than 6 and also greater than 8 .
3. A statement such as " $6<x>8$ " is meaningless.
4. A continuous inequality, such as " $6<x<8$ " can be read as " $x$ is between 6 and 8 ".
5. A disconnected graph, such as the last one shown above, must be expressed using "U" or "or".

