Work the following examples as you listen to the recorded lecture.

Solving Linear Equations

Remember -
1. Inequalities have $<, >, \leq, \geq$ instead of the equal symbol.
2. Graph by first finding the endpoint, then shade in the part of the number line in the solution set.
3. Use a parenthesis (or) to represent $<$ or $>$.
4. Use a bracket [or] to represent $\leq$ or $\geq$.

Example 1: $(-3, \infty)$ Example 2: $(-\infty, 4]$

Example 3: $y < 0$ Example 4: $y \geq 5$

Example 5: $x - 2 \geq 7$ Example 6: $3 - 7x \leq 10 - 8x$

Example 7: $3(5x - 4) < 4(3x - 2)$