Inequalities
$x<y$ means $x$ is less than $y$
$x \leq y$ means $x$ is less than or equal to $y$
$x>y$ means $x$ is greater than $y$
$x \geqslant y$ means $x$ is greater than or equal to $y$
Representing Inequalities on the Number Line


Exercise

$$
\begin{array}{cccccccccc}
-6 & -4 & -2 & 0 & 2 & 4 & 6 & -6 & -4 & -2 \\
\hline
\end{array}
$$

$$
\begin{array}{|l|llllll|}
\hline-6 & -4 & -2 & 0 & 2 & 4 & 6 \\
\hline
\end{array}
$$

$$
\begin{array}{lllllll}
\hline-6 & -4 & -2 & 0 & 2 & 4 & 6 \\
\hline
\end{array}
$$

$$
-5<x<4
$$

$$
-1 \leq x \leq 6
$$

$$
\begin{array}{l|l|l|lll|}
\hline-6 & -4 & -2 & 0 & 2 & 4 \\
\hline
\end{array}
$$

$$
x \leq 0
$$

$$
\begin{gathered}
-6-4-20246 \\
-4<x \leq 3
\end{gathered}
$$

