

Transitive Property of Inequality

If	Then
$a < b$ and $b < c$	$a < c$
$a > b$ and $b > c$	$a > c$

Examples:

If $4x < 2y$ and $2y < 16$,
then $4x < 16$.

If $x > y - 1$ and $y - 1 > 3$,
then $x > 3$.