## SOLVING INEQUATIONS:

The various strategies that we typically use to solve exponential and logarithmic equations remain the same, only that the symbol is not an equal sign (=).

Inequations use the following four symbols:

> -greater than < -less than	$\geq$ -greater than or equal to $\leq$ -less than or equal to	
7.1 WORKED EXAMPLE	7.2 WORKED EXAMPLE	
Give exact solutions to these inequations: 1. $2^x > 16$ 2. $2^x \le 2$ 3. $2^x \ge \frac{1}{2}$	Give exact solutions to these inequations: (hint – change to index form) 1. $\log_2 x < 5$ 2. $\log_{10} x > 3$ 3. $\log_5 x \ge 0$	