Algebra Square root

$+\sqrt{9}$ = 3

$+\sqrt{25}$ = 5

$\sqrt{\frac{1}{4}} = \frac{1}{2}$

$\sqrt{a^2}$ = $|a|$, has to be positive

$\sqrt{(x-3)^2}$ = $|x-3|$

We know that $a^2 \geq 0$

But a can be negative

$|x-3| \geq 2$

x -3 ≤ - 2 x-3 ≥ 2

x ≤ 1 x ≥ 5