Propositive number *b*:
3.
$$|a| < b$$
 if and only if $a < -b$ or $a > b$.
4. $|a| > b$ if and only if $a < -b$ or $a > b$.



Solution The absolute value of a number will be 0 only if that number is 0. Therefore,

|5x+15| = 0 is equivalent to 5x+15 = 0

which has solution set $\{-3\}$. Check by substituting into the original equation.