Find all numbers for which the rational expression, \( \frac{x^2 - 25}{14} \) is not defined.

Similar to the previous examples (Exercises #6 and #10) the concern is to decide what values of “x” will make the denominator “0.” I.e., we need to determine if there are any values of “x” where 14 is equal to zero?

Solve: \( 14 = 0 \)

this equation is inconsistent (false, absurd, etc.)

so, there exist no such values of “x” (where 14 = 0)

\[ \therefore \text{NONE} \]

there are NO numbers for which \( \frac{x^2 - 25}{14} \) is not defined