Set $x^2 + 5x - 14$ equal to 0 and solve the equation by factoring. The solution to this equation will be the domain's excluded values.

$x^2 + 5x - 14 = 0$

$(x + 7)(x - 2) = 0$

$x + 7 = 0$ or $x - 2 = 0$

$x = -7$ or $x = 2$