

Correct. Finding a common denominator and setting the numerators equal, you find  $x^2 = -5x$ , so  $x^2 + 5x = x(x + 5) = 0$ , meaning that  $x = 0$  and  $-5$ . However, the domain excludes  $x = 0$ , so  $x = -5$  is the correct solution.