

- Let $f(x) = x^2 - 7x + 1$ and $g(x) = x^3$. Compute $(f/g)(2)$. What about $(f/g)(0)$?

①
$$(f/g)(2) = \frac{f(2)}{g(2)} = \frac{(2)^2 - 7(2) + 1}{(2)^3} = \frac{4 - 14 + 1}{8} = \boxed{\frac{-9}{8}}$$

②
$$(f/g)(0) = \frac{f(0)}{g(0)} = \frac{(0)^2 - 7(0) + 1}{(0)^3}$$

THIS IS NOT DEFINED
BECAUSE DENOMINATOR
IS ZERO.