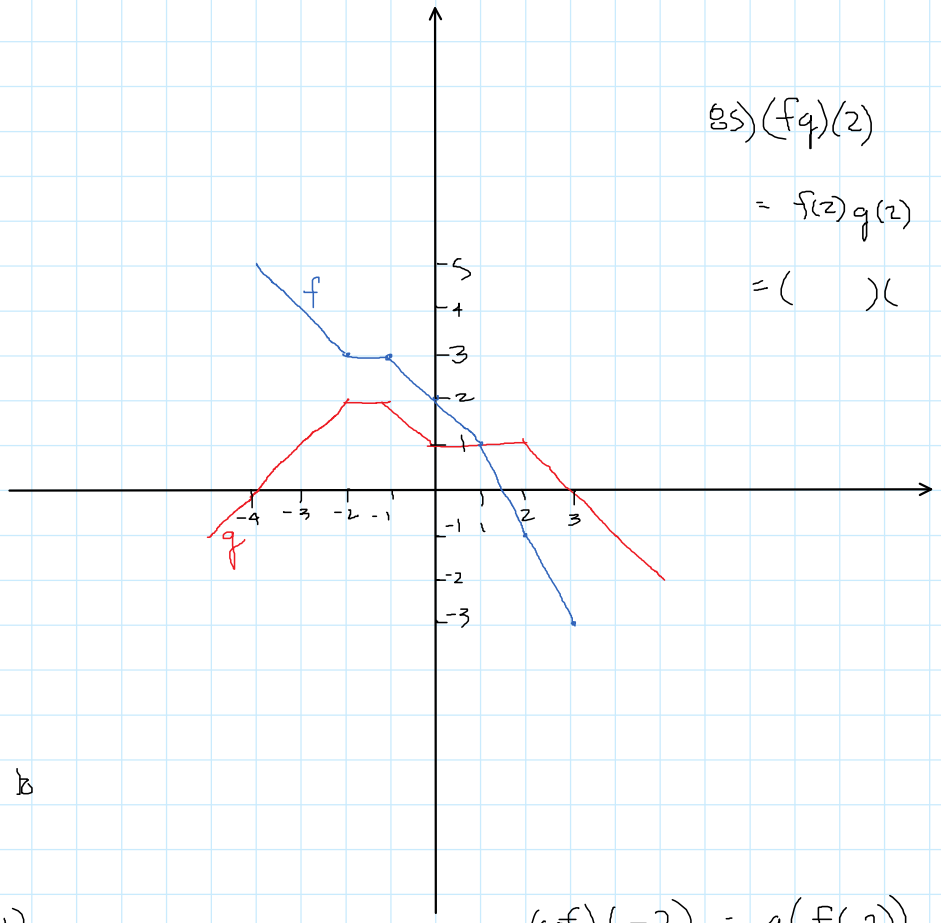
Tuesday, October 29, 2019 9:31 AM

83) $(f+g)(-3)$

$= f(-3) + g(-3)$

$= 4 + 1 = \boxed{5}$



85) $(fg)(2)$

$= f(2)\,g(2)$

$= (\quad)(\quad) =$

from graph, $f(-3) = 4$

$g(-3) = 1$

Extra question, (similar to # 91–94):

$(f \circ g)(-1)$

$= f(g(-1)) = f(\ 2\ ) = \boxed{-1}$

$(g \circ f)(-2) = g(f(-2))$

$= g(\ 3\ ) = \boxed{0}$

$(f \circ f)(-2) = f(f(-2)) = f(\ 3\ )$

$= \boxed{-3}$

$(f \circ f)(-4) = f(f(-4)) = f(\ 5\ )$ **Not defined**

because 5 is not in the domain of f.