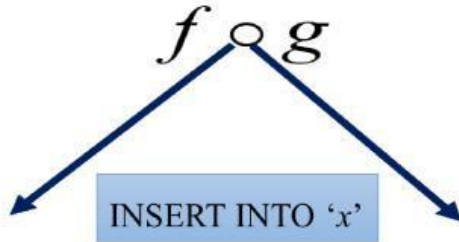


NAME:

TUTOR:

The function f and g are defined by $f(x) = 3x + 1$ and $g(x) = x^2 + 4$ respectively. Find (a) $fg(x)$

1

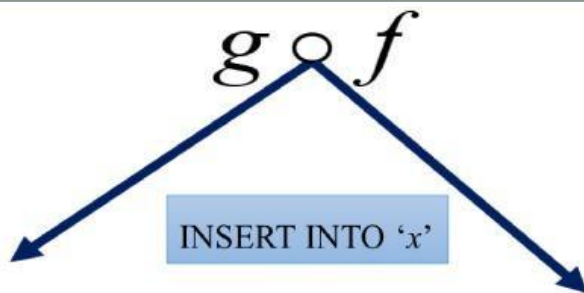


$$f(x) = 3x + 1$$

$$g(x) = x^2 + 4$$

The function f and g are defined by $f(x) = e^x + 7$ and $g(x) = x^2 + 4$ respectively. Find $gf(x)$

2

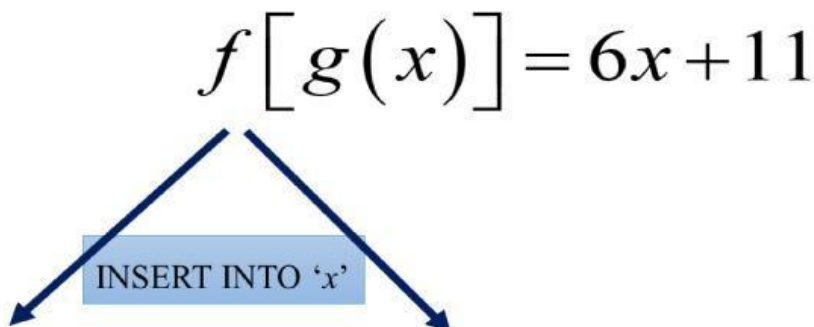


$$f(x) = e^x + 7$$

$$g(x) = x^2 + 4$$

Given that $f(x) = 3x + 1$, find the function g if $f[g(x)] = 6x + 11$

3



$$f(x)$$

$$3x + 1$$