

## Answer on Question #47143 – Math - Differential Calculus | Equations

Differentiate the following with respect to  $x$  :  $(3x + 4)$

3

3x

4

x

**Solution:**

We have if

$$f(x) = a * x^n, g(x) = C, C \text{ is constant}$$

then

$$f'(x) = n * a * x^{n-1} \text{ and } g'(x) = 0.$$

So we have

$$F(x) = f(x) + g(x) = 3x + 4$$

Hence

$$F'(x) = f'(x) + g'(x) = 3.$$

**Answer: 3.**