Quiz 2 Derivatives

1. When you evaluate h’(x) given h(x) when x=5 which step do you do first:

Step plug in 5 for x

Step do the derivative of h(x)

Explain your choice

1. Find The tangent line to the curve f(x) = x4 + 3x – 10 when x=1
2. F(x) = $\frac{x∙h\left(x\right)-3x}{x^{2}+1}$. Use the information given in the following table to find f ’(-1)

|  |  |  |
| --- | --- | --- |
| x | -1 | 0 |
| h(x) | 0 | 1 |
| h’(x) | 2 | -2 |