✓ **¡Felicitaciones! ¡Aprobaste!**

PARA APROBAR 75 % o más

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CALIFICACIÓN
100%

Practice quiz onTangent Lines to Functions

PUNTOS TOTALES DE 2

1. Suppose that $f : \mathbb{R} \rightarrow \mathbb{R}$ is a function. Which of the following expressions corresponds to $f'(2)$, the slope of the tangent line to the graph of $f(x)$ at $x = 2$?
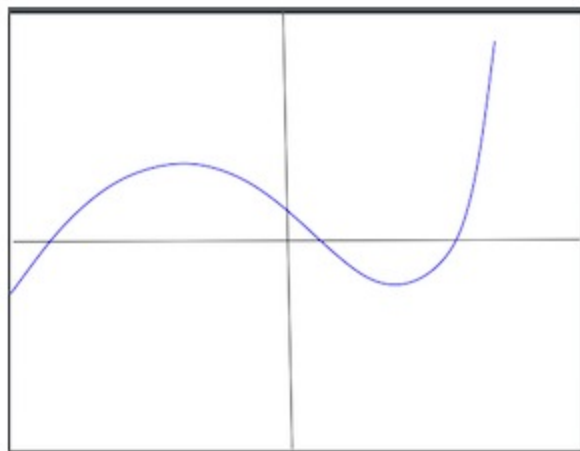
    ○ $f'(2) = mx + b$

    ○ $f'(2) = \lim_{h \to 0} \frac{f(a+h)-f(a)}{h}$

    ○ $f'(2) = 2$

    ◉ $f'(2) = \lim_{h \to 0} \frac{f(2+h)-f(2)}{h}$

    1 / 1 puntos

    This expression can be obtained from the first screen of our video by plugging in 2 for a.

2. Suppose that $h : \mathbb{R} \rightarrow \mathbb{R}$ is a function whose graph is shown as the blue curve in the figure. For how many values of a is $h'(a) = 0$?

    1 / 1 puntos

    ○ 3

    ○ Never

    ○ Always

    ◉ 2

    ✓ **Correcto**

    $h'(a)$ gives the slope of the tangent line to the graph of h at the point $x = a$.

    When $h'(a) = 0$, this means that the tangent line is horizontal.