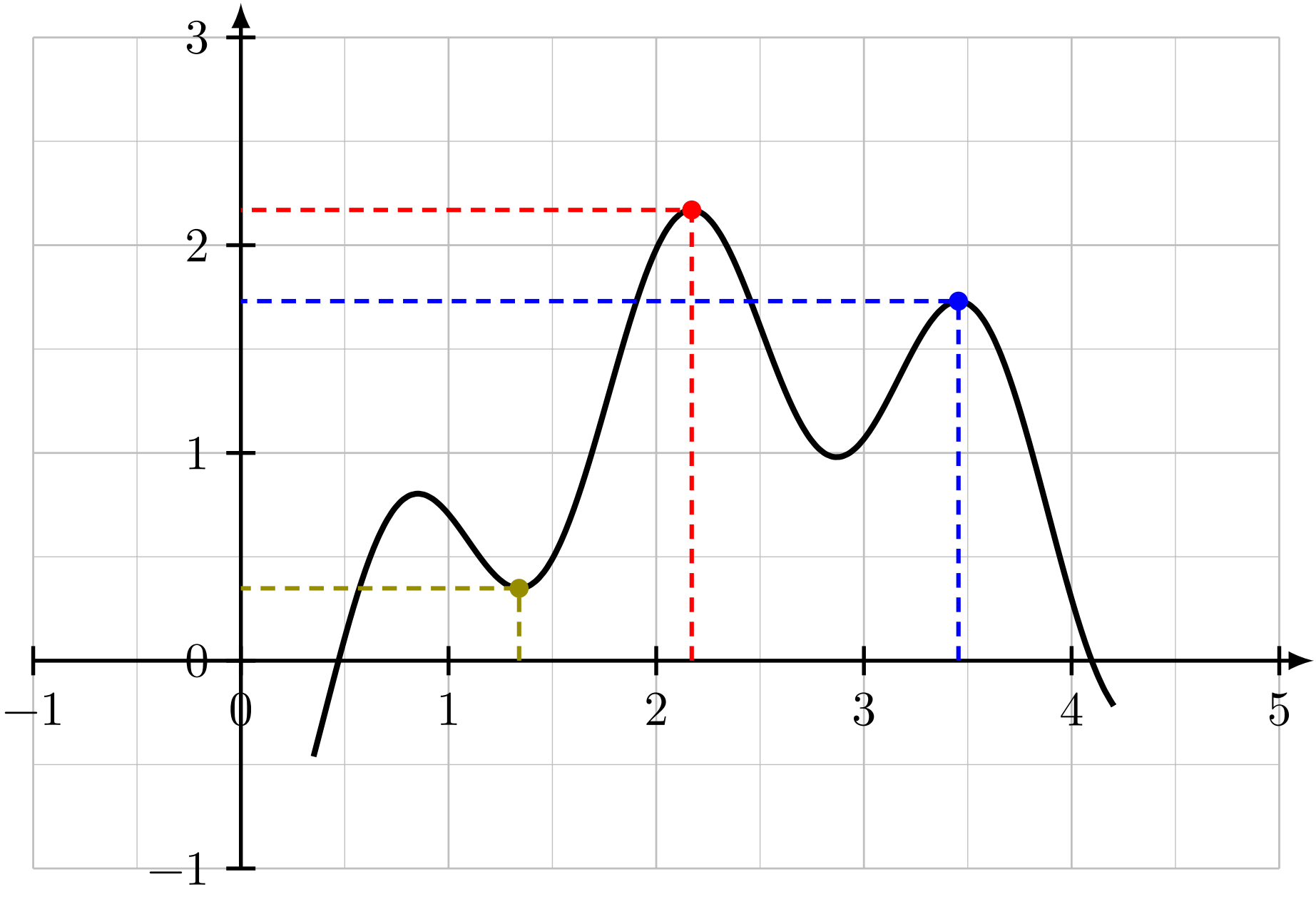


$$f(x) = \tfrac{3}{5}\cos\left(\tfrac{9}{2}(x-4) + \tfrac{21}{10}\right) - \tfrac{6}{5}\sin(x-4) + \tfrac{x}{10} + \tfrac{1}{5}$$

The maximum is $M \approx 2{,}17$, reached in $x \approx 2{,}17$