

Bellwork 8/16 (5 Minutes)

[Trigonometry]

Let $f(x) = \sin(2x)$

Evaluate:

$$f\left(\frac{3\pi}{8}\right), \quad f(405^\circ), \quad f\left(\frac{5\pi}{6}\right)$$

reset

Exercise

$$f(x) = 3x^2 + 8x + 1 \text{ and } h \neq 0$$

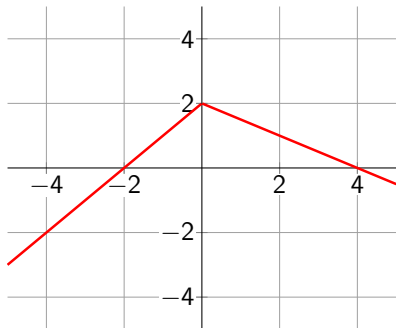
Evaluate:

$$\frac{f(a+h) - f(a)}{h}$$

reset

Exercise

$$f(x) = \begin{cases} x + 2 & x \leq 0 \\ -\frac{1}{2}x + 2 & x > 0 \end{cases}$$



Evaluate: $f(-3)$, $f(-2)$, $f(2)$, $f(0)$

reset