3d
$$f(x) = \sqrt{x^2 + 1} - \sqrt{x^2 + 4}$$

LOSS OF PRECTSION NEAR $|x| > 10$
 $\omega = \sqrt{x^2 + 1} - \sqrt{x^2 + 4}$
 $= \sqrt{x^2 + 1} - \sqrt{x^2 + 4}$
 $= \sqrt{x^2 + 1} - \sqrt{x^2 + 4} - \sqrt{x^2 + 4}$
 $= \sqrt{x^2 + 1} - \sqrt{x^2 + 4} - \sqrt{x^2 + 4}$
 $= \sqrt{x^2 + 1} - \sqrt{x^2 + 4} - \sqrt{x^2 + 4}$

NOW, $f(x) = \sqrt{x^2 + 1} + \sqrt{x^2 + 4}$
 $= \sqrt{x^2 + 1} + \sqrt{x^2 + 4} - \sqrt{x^2 + 4} + \sqrt{x^2 + 4}$

NOW, $f(x) = -\frac{3}{\sqrt{x^2 + 1} + \sqrt{x^2 + 4}} = 0$

ALL 4

CORRECT

92

f(1000) 7-1,79999...×10