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

LOSS OF PRECTSION NEAR $|x| > 10$

W/ 4-DEWET ARITHMETIC,

 $f(10) = \sqrt{101} - \sqrt{104}$
 $= 0.05 - 10.20$
 $= 0.150$
 $f(10) = 0.148163...$

REFORM $f(x) AS \rightarrow \sqrt{x^2+1} - \sqrt{x^2+4} - \sqrt{x^2+1} + \sqrt{x^2+4} = ...$
 $= \frac{x^2 + 1 - x^2 - 4}{\sqrt{x^2+1} + \sqrt{x^2+4}} = ...$

NOW,

 $f(10) = -\frac{3}{10.05 + 10.20} \approx 0.1481$

ALL 44

CORRECT