"On my honor, I have neither given nor received any unauthorized and for inappropriate assistance for all sussions of this exam. The work done on this exam is totally my own. I understand that by the school code, violation of these principles will lead to a nero grade and is subject to horsy discipline Hisey's Keren Micen issues. " 150119627 evolute at x=15. X,=0 f(x,)=3,85 x2=20 f(x2)=0,800 $f(x) = \frac{x - x_2}{x_1 - x_2} f(x_1) + \frac{x - x_1}{x_2 - x_1} f(x_2)$ x3 = 40 f(x3) = 0,212 f(45) = 15 - 20, 3.85 + $\frac{15 - 0}{20 - 0}$, $0.800 = \frac{3.85}{4} + \frac{2.4}{4} = \frac{6.25}{4}$ (fils) = 1.5625 $f_{2}(x) = (x-x_{2})(x-x_{3}) + (x-x_{1})(x-x_{3}) + (x-x_{1})(x-x_{2}) + (x-x_{1})(x-x_{2}) + (x_{2}-x_{3}) + (x_{3}-x_{2}) + (x_{3}-x_{2}) + (x_{3}-x_{2}) + (x_{3}-x_{3}) + (x_{3}-x_{3})$ (-5).(-25). 3.85+15.(-25). 0.800+15.(-5). $0.212=f_{20}$. (-90).(-60). (-90).(-60)

 $\frac{895}{49} + \frac{3}{5} - \frac{3.18}{160} = 1.3515625 - 0.019825 = 1.3316825$ $\frac{19.25}{32}$ $\frac{19.25}{32}$