[12pt]exam 1inAnswer:
math 0.5in -0.5in document
pts pts
Math 105 Exam I. 1.6in Name:
0.2in Math 105 Exam III answers.
0.2 in
questions
A company determines that when producing $x$ units, its profit is given by this function: $P(x)=$ $-13 x^{2}+200 x-1800$.
parts
[4] What is the marginal profit function?
Marginal profit is the derivative (with respect to production level) of profit:
[2] What is the marginal profit when the production level $x$ is 150 ?
Plug 150 in for $x: M P(150)=100$.
[2] What does that tell you about the change in profit as the production level increases from 150 to 151 ? Profit increases by 100 .

