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Math 105 Exam I. 1.6in Name:		
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questions		
A company determines that when producing x units, its profit is given by this function	P(z)	x) =
$-13x^2 + 200x - 1800.$		
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: MP(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.