

**Test**

Nom et prénom :

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Illustration of `amc2moodle` capabilities. All these questions can be converted *automatically* to `moodle` with the same layout.

**MULTIPLE CHOICE TESTS USING AMC LATEX FORMAT****Question 1**What is  $8 + 3$ ?

0	1	2	3	4	5	6	7	8	9
0	1	2	3	4	5	6	7	8	9

**Question 2**What is the first derivative of  $f = \sin(10x)$ ?

$10 \cos(10x) + 10$

$100 \cos(10x)$

$\cos(10x)$

$10 \cos(10x)$

**Explication :** Use the chain rule:  $f(x) = g(h(x))$ , where  $h(x) = 10x$  and  $g(y) = \sin(y)$ .