

**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  $8 + 10$ ?

|   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|
| 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  $f = \sin(5x)$ ?

$5 \cos(5x) + 5$

$25 \cos(5x)$

$\cos(5x)$

$5 \cos(5x)$

**Explication :** Use the chain rule:  $f(x) = g(h(x))$ , where  $h(x) = 5x$  and  $g(y) = \sin(y)$ .