

**Test**

Nom et prénom :

.....

**AN AMC QUIZ GENERATED FROM MOODLE XML QUESTIONS  
EXPORT**

**Question 1** Quelle est l'aire d'un rectangle de longueur 2.9 et de largeur 9.6 ? Formula in the text 27.84. It is also possible to use float 3.451. Accolade should not be used for number 5.5

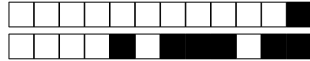
- ☐ 12.5  
☐ 27.84

**Question 2** Moodle and **fp** latex package syntax is not always equivalent. Here some test for pathological cases. Let 8.4 and 6.0 some real number.

- argument of 'pow' function are in a different order  $\text{"pow}(8.4,2)" = 70.55999999999999261$
- the 'sqrt' function doesn't exist, need 'root(nth, x)' in fp,  $\text{"sqrt}((8.4-6.0)*(8.4+6.0))" = 5.878775382679627359$
- 'pi' is a function in moodle,  $\text{"sin}(1.5*\text{pi}())" = -1$
- test with '-' unary expression  $\text{"-8.4+(-6.0+2)" = -12.4}$
- test min-max  $\text{"max}(8.4,6.0)" = 8.4$
- test nested  $\text{"log}(\text{log}(6.0+8.4)/\text{log}(6.0+8.4))" = 0$

test formatting on variable **8.4**

- ☐ 1  
☐ 1  
☐ 8.4



**Question 3** Go to your editor preferences (via the user menu) and select 'Plain text area', then in the question box, select Markdown format.

## Main title

### Basic text formatting

a single word a sequence of words indistinguishable

- top level bullet one
  - sub-bullet
  - sub-bullet 2
- top level bullet two

Now numbered list

1. numbered point one
2. numbered point two

## More advanced features

test for link here

Are table supported ?

Markdown	Less	Pretty
<u>Still</u>	renders	<b>nicely</b>
1	2	3

Blockquotes are very handy in email to emulate reply text. This line is part of the same quote.

```
import markdown markdown.markdown(text, extensions=['extra'])
```

- ☐ yes
- ☐ non
- ☐ perhaps

**Question 4** Nothing but plain text

- ☐ no in html
- ☐ **no**
- ☐ yes

**Question 5** Find  $x$  such  $2x - 300 = 0$  ? Here  $x$  is an integer, test for **exact** match, only.

<input type="checkbox"/> 0	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5	<input type="checkbox"/> 6	<input type="checkbox"/> 7	<input type="checkbox"/> 8	<input type="checkbox"/> 9
<input type="checkbox"/> 0	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5	<input type="checkbox"/> 6	<input type="checkbox"/> 7	<input type="checkbox"/> 8	<input type="checkbox"/> 9
<input type="checkbox"/> 0	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5	<input type="checkbox"/> 6	<input type="checkbox"/> 7	<input type="checkbox"/> 8	<input type="checkbox"/> 9



**Question 6** Give an approximated value for  $\pi$  up to 3 digits?

<input type="text"/>	0	<input type="text"/>	1	<input type="text"/>	2	<input type="text"/>	3	<input type="text"/>	4	<input type="text"/>	5	<input type="text"/>	6	<input type="text"/>	7	<input type="text"/>	8	<input type="text"/>	9
.																			
<input type="text"/>	0	<input type="text"/>	1	<input type="text"/>	2	<input type="text"/>	3	<input type="text"/>	4	<input type="text"/>	5	<input type="text"/>	6	<input type="text"/>	7	<input type="text"/>	8	<input type="text"/>	9
<input type="text"/>	0	<input type="text"/>	1	<input type="text"/>	2	<input type="text"/>	3	<input type="text"/>	4	<input type="text"/>	5	<input type="text"/>	6	<input type="text"/>	7	<input type="text"/>	8	<input type="text"/>	9
<input type="text"/>	0	<input type="text"/>	1	<input type="text"/>	2	<input type="text"/>	3	<input type="text"/>	4	<input type="text"/>	5	<input type="text"/>	6	<input type="text"/>	7	<input type="text"/>	8	<input type="text"/>	9

**Question 7** Let  $z = 3 + 2i$ . What is the imaginary part ?

<input type="text"/>	0	<input type="text"/>	1	<input type="text"/>	2	<input type="text"/>	3	<input type="text"/>	4	<input type="text"/>	5	<input type="text"/>	6	<input type="text"/>	7	<input type="text"/>	8	<input type="text"/>	9
----------------------	---	----------------------	---	----------------------	---	----------------------	---	----------------------	---	----------------------	---	----------------------	---	----------------------	---	----------------------	---	----------------------	---

**Question 8** Give an approximated value for  $\sqrt{2}$  up to 3 digits ?

<input type="text"/>	0	<input type="text"/>	1	<input type="text"/>	2	<input type="text"/>	3	<input type="text"/>	4	<input type="text"/>	5	<input type="text"/>	6	<input type="text"/>	7	<input type="text"/>	8	<input type="text"/>	9
.																			
<input type="text"/>	0	<input type="text"/>	1	<input type="text"/>	2	<input type="text"/>	3	<input type="text"/>	4	<input type="text"/>	5	<input type="text"/>	6	<input type="text"/>	7	<input type="text"/>	8	<input type="text"/>	9
<input type="text"/>	0	<input type="text"/>	1	<input type="text"/>	2	<input type="text"/>	3	<input type="text"/>	4	<input type="text"/>	5	<input type="text"/>	6	<input type="text"/>	7	<input type="text"/>	8	<input type="text"/>	9
<input type="text"/>	0	<input type="text"/>	1	<input type="text"/>	2	<input type="text"/>	3	<input type="text"/>	4	<input type="text"/>	5	<input type="text"/>	6	<input type="text"/>	7	<input type="text"/>	8	<input type="text"/>	9

**Question 9** Explain in few words the aim of this course.

☐ OK ☐ F

.....
.....
.....



**Question 10**    a link here    and an image    and an equation  $\int_{2\pi} x^2 dx$

centered text

flush left text

flush right text



In moodle editor, there is also <sup>exponent</sup> and <sup>indice</sup> and ~~that~~ and svg file

- ☐ This is one *italic* wrong answer.
- ☐ This a wrong emphasis answer.
- ☐ This a wrong **strong** answer.
- ☐ This a wrong **bold** answer.
- ☐ This is the good underlined answer.

**Question 11**    Test html table conversion to tex

	weight	width	length
sys1	1 kg	0.35 m	1 m
sys2	2 kg	-	1.5 m

table legend

- ☐ the good answer is obviously a weird table

stuff1	stuff2
$x^2$	bold <b>text</b>

- ☐ an other table, more simple

Firstname	Lastname	Age
Jill	Smith	50
Eve	Jackson	94

- ☐ wrong answer

**Question 12**    This is inline code `x = sqrt(3)` and here and code block

```
a = 2 b = a + 3.14
```

In html, it is generally recommanded to use `<code>` is an inline tag and `<pre><code>` tag for blocks.

- ☐ wrong answer
- ☐ the good answer



**Question 13** Provide a **description** of a problem that can be common to several questions.  
It is useful to define notation, pictures, equations  $\int_0^1 x dx = 0...$

PROJET