Nom et prénom :

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Test

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 "pow(8.4,2)" = 70.559999999999999261

- the 'sqrt' function doesn't exist, need 'root(nth, x)' in fp, "sqrt((8.4-6.0)*(8.4+6.0))" = 5.878775382679627359

- 'pi' is a function in moodle, "sin(1.5*pi())" = -1

- test with '- unary' expression "-8.4+(-6.0+2)" = -12.4

- test min-max "max(8.4,6.0)" = 8.4

- test nested "log(log(6.0+8.4)/log(6.0+8.4))" = 0

test formatting on variable **8.4**

☐ 1
☐ 1
☐ 8.4
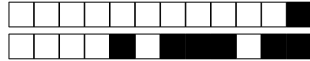
Question 3 Go to your editor preferences (via the user menu) and select 'Plain text area', then in the question box, select Markdown format.

Main title

Basic text formatting

a <u>single</u> word **a sequence of words** in**distinguish**able

- 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	**nicely**
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.

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

Question 6 Give an approximated value for π up to 3 digits?

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

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

☐0 ☐1 ☐2 ☐3 ☐4 ☐5 ☐6 ☐7 ☐8 ☐9

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

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

Question 9 Explain in few words the aim of this course. ☐OK ☐F

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