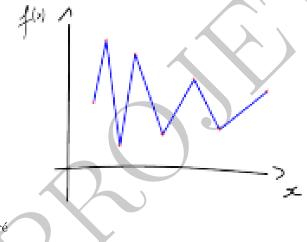
	Nom et prénom :
Test	

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

## MULTIPLE CHOICE TESTS USING AMC LATEX FORMAT

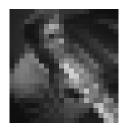
Question 1 On souhaite faire passer exactement, par N points donnés, un polynôme de degré strictement égal à N-1. Pour trouver les coefficients on doit résoudre un problème



de moindre carré

de Thelonius Sphere Monk





d'interpolation

Question 2 4 Quel fruit possède un noyau?	
La pomme La tomate le Kiwi  Aucune de ces réponses n'est correcte.	
Question 3 Test for itemize html rendering,	
• first item	
• Second item blablabla	
test for enumerate html rendering,	
1. The first item $x^2$ with math	
2. The second <b>item</b> with bold	
<ul> <li>1. The first item x²</li> <li>2. The second item</li> <li>1 bullet list and 1 ordered list Remarks: tags in item are ignored.</li> </ul>	
Question 4 $\clubsuit$ Quels sont les opérations qui donnent un chiffre présent dans le tableau? $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	
Avec une équation matricielle	
$\det\begin{pmatrix} 1 & 2 \\ -1 & 10 \end{pmatrix} = \begin{vmatrix} 1 & 2 \\ -1 & 10 \end{vmatrix}$	(1)
☐ la réponse en image ☐ Aucune de ces réponses n'est correcte.	

Pour votre examen, imprimez de préférence les documents compilés à l'aide de auto-multiple-choice.

+1/3/58+

<b>Question 5</b> Among the following persons, which one has ever been a President of the French Republic?
Alain Prost with an image Marcel Proust René Coty
Question 6 Among the following cities, which ones are French prefectures?
☐ Sainte-Menehould ☐ Avignon ☐ Poitiers ☐ Aucune de ces réponses n'est correcte.
Question 7 Here is a test for mhchem-LATEX package. This package is not yet supported by LaTeXML, thus the rendering is delegated to mathjax. To use it, you need to add mhchem in the mathjax moodle plugin (ask to admin, see details in README file).
A complicated chemical equation $\operatorname{Hg}^{2+} \xrightarrow{I^{-}} \operatorname{HgI}_{2} \xrightarrow{I^{-}} [\operatorname{Hg}^{\operatorname{II}} I_{4}]^{2-}$ , the same written in math mode : $\operatorname{Hg}^{2+} \xrightarrow{I^{-}} \operatorname{HgI}_{2} \xrightarrow{I^{-}} [\operatorname{Hg}^{\operatorname{II}} I_{4}]^{2-}$ , combine with other math operator $K = \operatorname{Hg}^{2+} \xrightarrow{I^{-}} \operatorname{HgI}_{2} \xrightarrow{I^{-}} [\operatorname{Hg}^{\operatorname{II}} I_{4}]^{2-}$ and finally placed in the equation environment
$K = \mathrm{Hg^{2+}} \xrightarrow{\mathrm{I^-}} \mathrm{HgI_2} \xrightarrow{\mathrm{I^-}} [\mathrm{Hg^{II}I_4}]^{2-}$
<pre>Question 8    Combien de fois le programme suivant affiche-t-il "x" ? for (int i = 4; i &lt; 24; ++i) for (int j = i + 2; j - 1 &gt; 0;j)     puts("x");</pre>
Question 9 Explain in few words the aim of this course.

Pour votre examen, imprimez de préférence les documents compilés à l'aide de auto-multiple-choice.

+1/4/57+

Provide a description of a problem that can be common to several questions. It is useful to define notation, pictures



equations  $\int_0^1 x dx = 0...$  Since, it is not a *real* question, the choices environment is not provided. In this case, the question will be converted by amc2moodle into moodle description question type. To use it in AMC, do not forget to use QuestionIndicative to tell AMC not to count points for

this question (with a 0-point scoring).	
Question 11 What is the <b>area</b> of rectangle of height 2.183840093288496178 and width 1.00007043732333482 We recall that $\pi = 3.141592653589793238$ . Check for random labels: $0.346558480706812393$ Check nested expression: $2.933884413848519720 = ? 2.933884413848519720$ Check for power and trigo: $\sin(0.5)^2 + \cos(0.5)^2 = 0.99999999999999999999999999999999999$	25 ?
2.183993917139258694 3.183910530611831003	
Question 12 & Compute the eigenvalues of the following matrix	
$\begin{pmatrix} x & y \\ y & z \end{pmatrix}$ ,	(2)
where $x=3.131068949648676880$ , $y=1.875836745312361392$ and $z=1.188178464857944500$ .	
-4.319247414506621380  0.047167943447435243  17.849877416146659003  4.272079471059186137  4.319247414506621380	
Aucune de ces réponses n'est correcte.	

Pour votre examen, imprimez de préférence les documents compilés à l'aide de auto-multiple-choice.



