

Prototype of quiz on linear function, to be implemented on Maple T.A.

Four questions to make students work on four competencies:

1. Calculating images;
2. Calculating inverse images;
3. Recognising a linear function;
4. Shifting from the graphical frame to the algebraic frame and vice versa.

Here are the corresponding types of questions

1. What is the image of () through the function f defined by $f(x) = ()x - ()$?
2. What is the inverse image of () through the function f defined by $f(x) = () + ()$?
3. The curve below represents a linear function.

[graph of a linear function]

The image of () is ().

- True
- False

4. Determining the expression of the linear function represented below.

[graph of a linear function]