

NAME:.....



Mathematics in Education and Industry

MEI STRUCTURED MATHEMATICS

METHODS FOR ADVANCED MATHEMATICS, C3

Practice Paper C3-B INSERT

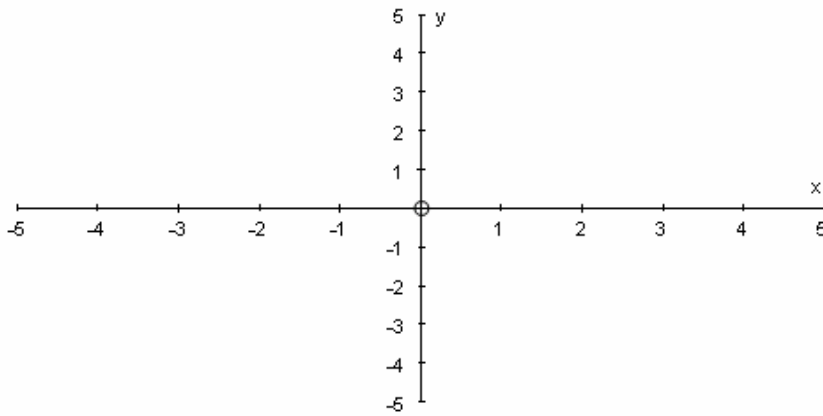
INSTRUCTIONS

- This insert should be used for question 9.
- Write your name in the space at the top of this sheet.
- Attach this insert to the rest of your answers.

Insert for question 9.

- (i) (A) On the axes below sketch the graph of $y = 2f(x)$.
Describe the transformation.

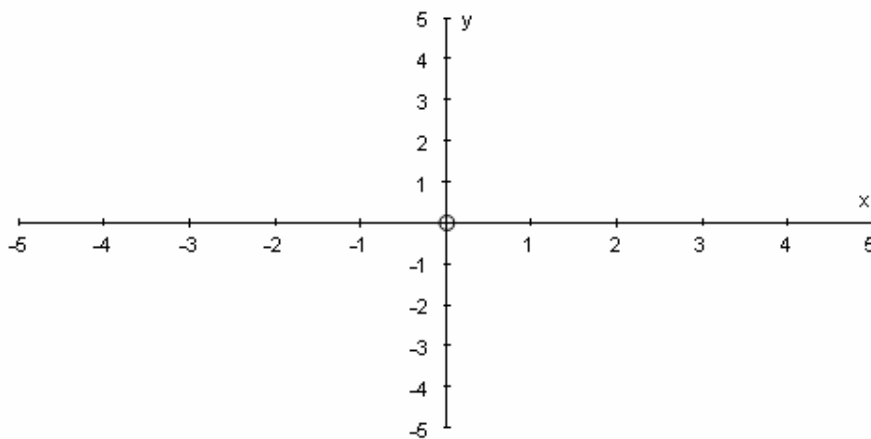
[2]



Description:

- (i) (B) On the axes below sketch the graph of $y = f(-x)$.
Describe the transformation.

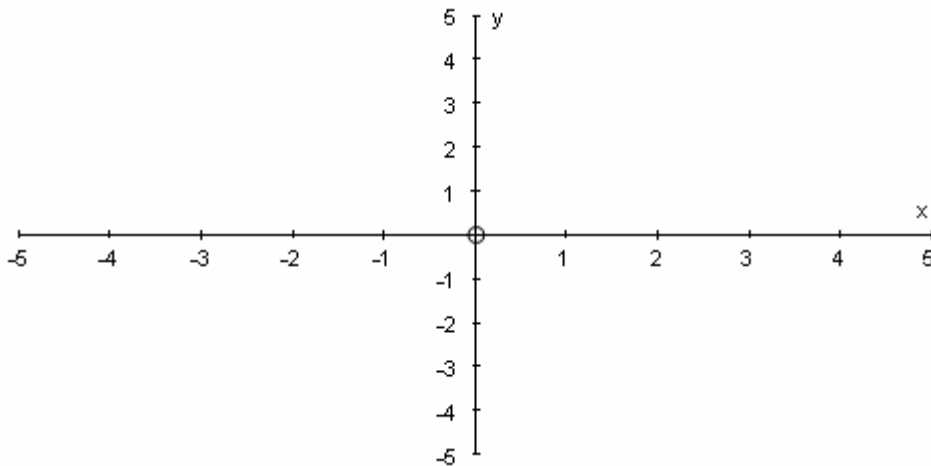
[3]



Description:

- (i) (C) On the axes below sketch the graph of $y = f(x - 2)$.
Describe the transformation.

[3]



Description:

- (iii) The function $g(x)$ is defined as follows:
 $g(x) = f(x)$ for $x \geq 0$

On the axes below sketch the graph of $y = g^{-1}(x)$.

[1]

