

UNIVERSITY OF JOHANNESBURG **FACULTY OF EDUCATION JUNE EXAMINATION 2017**

PROGRAMME:

B Ed

MODULE:

MATHEMATICS FOR FOUNDATION PHASE 2A

CODE:

MFP10A2

TIME:

2 HOURS

MARKS:

100.

EXAMINER:

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Education, UJ)

MODERATOR:

Prof C. Long (Department of Childhood Education, UJ)

(This paper consists of 3 pages)

INSTRUCTIONS

Read the following instructions carefully before answering the questions.

- 1. This question paper has 6 questions, answer all of them
- 2. Calculators are not allowed

QUESTION 1

1.1

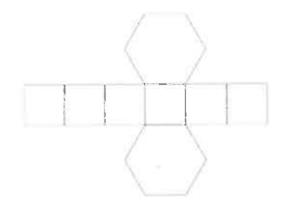
Answer the following questions

1.1.1 Provide 3 examples from of objects real life that have a circle shape. (3) 1.1.2 Draw a circle and name all its parts

A circle is one of the shapes that children are taught at an early age.

- (3)
- 1.2 Draw any rhombus and show 2 lines of symmetry (3)
- 1.1.3 Draw the pentagonal prism and show its plane symmetries (3)
- 1.4 Draw the net of a triangular pyramid (4)
- 1.5 Other than a rhombus, name and draw 5 different quadrilateral shapes (5)

[14]



QUESTION 5

- 5.1 Define what is meant by tesselation in mathematics? (2)
- 5.2 Draw a tesselation made up of a equilateral triangles (3)
- 5.3 Explain the terms rigid and non rigid transformations, provide an example of each? (5)

[10]

QUESTION 6

Given the figure below

6.1 Draw its image when translated 2 units to the right and 4 unit downwards.

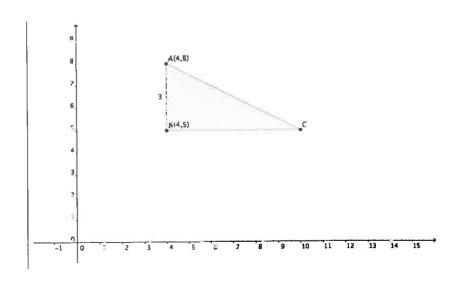
(5)

(5)

6.2 Draw its image when reflected about the y-axis.

6.3 Draw its image when rotated clockwise about the origin through 90°.

(8)



	[18]
	TOTAL: 100
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