

FOR OFFICIAL USE			

## X033/13/01

NATIONAL 2013

NATIONAL TUESDAY, 21 MAY GRAPHIC 9.00 AM - 12.00 NOON

COMMUNICATION ADVANCED HIGHER

Fil	in these boxes and read what is p	rinted	belo	w.					
Full name of centre					Town				
Fo	ename(s)				Surname				
	e of birth Day Month Year Scottish c	andidat	e nur	nber					Number of seat
80 1 2 3 4 5 6 7 8	Read each question carefully before you answer.  Written answers may be in <b>ink</b> or <b>pencil</b> .  Drawings and sketches <b>must be in pencil</b> .  Coloured pencils may be used when sketching.  Dimensions are given in millimetres or as stated.  Orthographic drawings are in third angle projection.  The leaflet for Questions 1 and 2 has been supplied separately. Please ensure that you have this leaflet.						Please ensure that		
	check that your name is on every sheet; put the sheets in correct numerical order; place this sheet on top of the others; join all sheets together by <b>stapling</b> at the top left-hand corner; before leaving the examination room, you must give these sheets to the Invigilator (if you do not you may lose all the marks for this paper).								





Walks Olid		
Question	Marks	
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
Total Marks		



Using the "Antodesic Create" leake.  Design Element that are used in the leafer, and describe how they are used.  Design Element 1  Description:  Description:  2  Design Element 2  Design Element 2  Description:  2  Design Element 3  Description:  Description:  2  Description:  2  Description:  2  Description:  2  Description:  Description:	1	2		on A
Description:    Description:   Description:	Using the "Autodesk Create" leaflet.  Identify three Design Principles that are used in the leaflet, and describe how they are used.		Using the "Autodesk Create" leaflet.  Identify three Design Elements that are used in the leaflet, and describe how they are used	d.
2 Design Principle 2	Design Principle 1		Design Element 1	
Description:  Description:  Description:  Description:  Description:  Description:  Description:  Description:  Description:  2 Design Element 3 Description:  Description:  Description:  Description:	Description:		Description:	
Description:  Description:  Description:  Description:  Description:  Description:  Description:  Description:  Description:  2 Design Element 3 Description:  Description:  Description:  2 Description:  Description:  Description:				
Description:  Description:  Description:  Description:  Description:  Description:  Description:  Description:  Description:  2 Design Element 3 Description:  Description:  Description:  2 Description:  Description:  Description:				
Description:				
Description:         2         2           Design Principle 3         Design Element 3		2		2
2	Design Principle 2		Design Element 2	
Description:  Description:  Description:  Description:  Description:  Description:	Description:		Description:	
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Description:  Description:  Description:  Description:  Description:  Description:				
Description:  Description:  Description:  Description:  Description:  Description:				
Description: Description:		2		2
Description:  Description:  2 2 2	Design Principle 3		Design Element 3	
	Description:			
Total (6)		2		2
	Total	1 (6)	Total (	6)

Candidate's Name

(b) Balance: .....

(a) Balance: .....

Total (2)

1

1

Section A

In Computer Aided 3D Modelling, lighting is used to enhance a model.

Describe, with the aid of sketches if necessary, the effect the following lighting types will have.

(a) Spot

(b) Distant

(c) Ambient

1

Total (3)

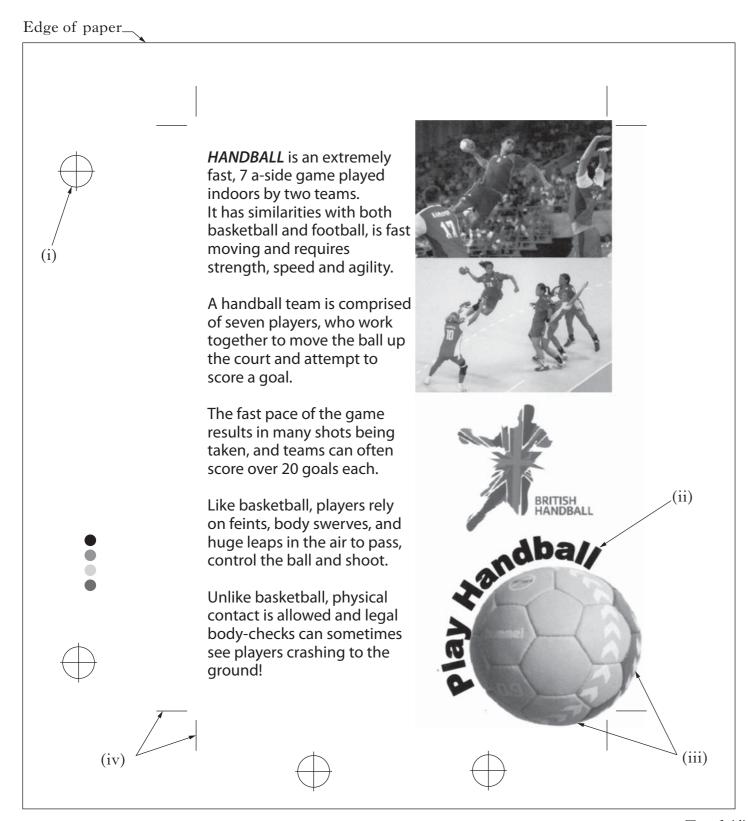


An advertising leaflet for the game of handball, ready to be sent to the printers, is shown below.

Correctly identify the features arrowed in the leaflet.

(i) (ii)

(iii) (iv)



[X033/13/01] Total (4)

6	Section A
v	

The choice of print methods depends on many factors.

(a) Describe **three** such factors.

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	ted below are two different printing requirements and a suggested printing process. plain the advantages and disadvantages of each process.		3
( <i>b</i> )	Full colour magazine printed using offset lithography.		
	Advantages:		
	Disadvantages:		
(c)	Company logo onto polythene using flexography.		2
	Advantages:		
	Disadvantages:		
			2
	ר	Total (7)	

Total (5)

Section A

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[X033/13/01]

The elevation of a cut solid right cone is given.

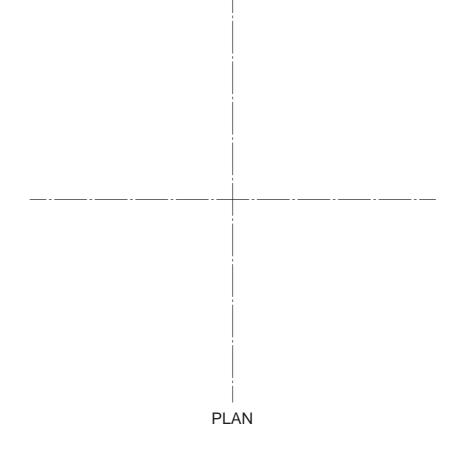
**Draw**, in the positions indicated:

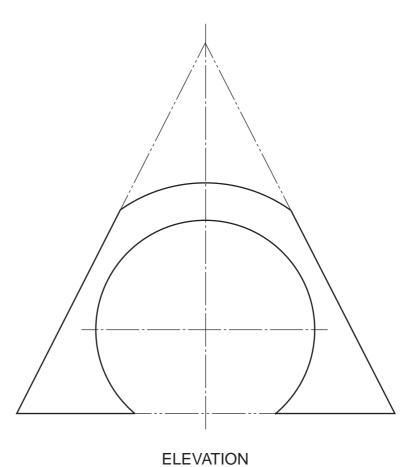
- (a) the end elevation;
- (b) the plan.

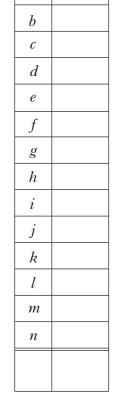
Show all hidden detail.

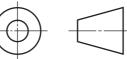
(9 marks)

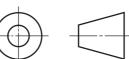
**END ELEVATION** 











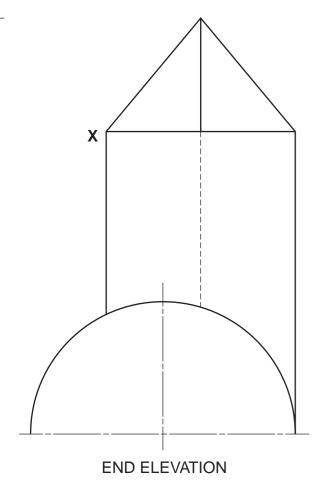
**Draw**, the complete:

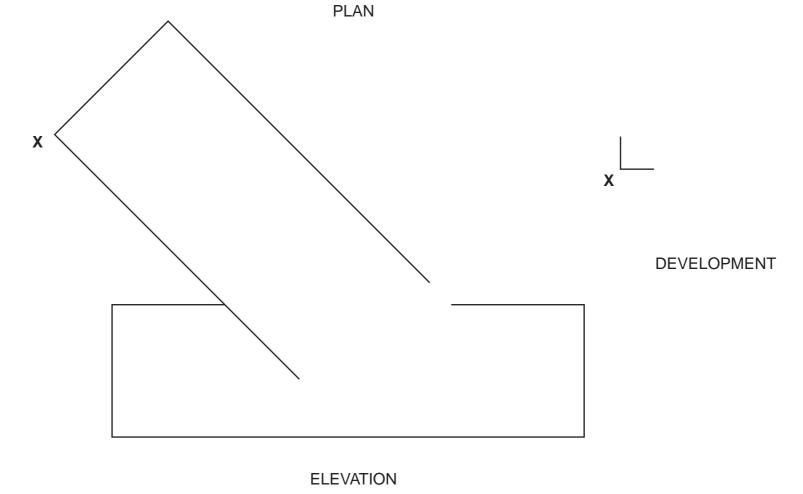
- (a) elevation;
- (b) plan;
- (c) surface development of the triangular prism.

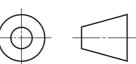
Show all hidden detail.

(12 marks)

\_\_\_\_\_\_

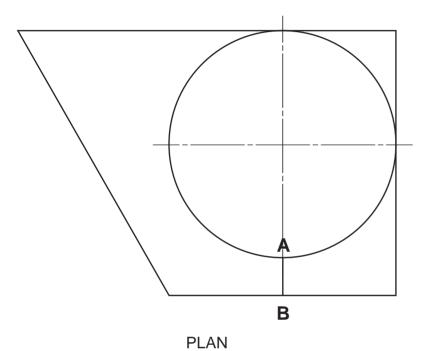


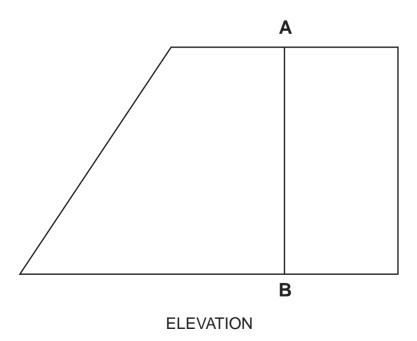




**Draw,** in the position indicated, the surface development of the transition piece starting at seam **AB**.

(14 marks)

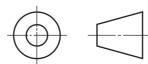






а	
b	
С	
d	
e	
f	
g	
h	
i	
j	
k	
l	
m	
n	

A B
SURFACE DEVELOPMENT



d

g

m

The elevation, end elevation and plan of a Patio are given below.

The spectator point (SP), plane of projection (PP), ground line (GL) and eye level (EL) are also given.

**Draw**, from the given views a measured perspective view of the Patio.

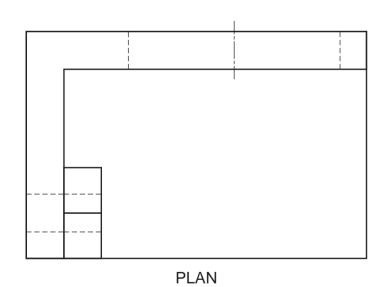
Do not show hidden detail.

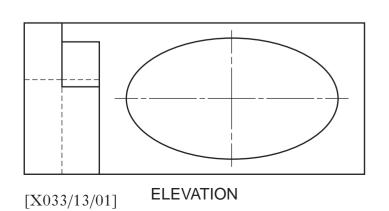
(12 marks)

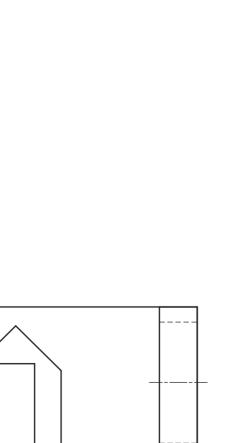
EL

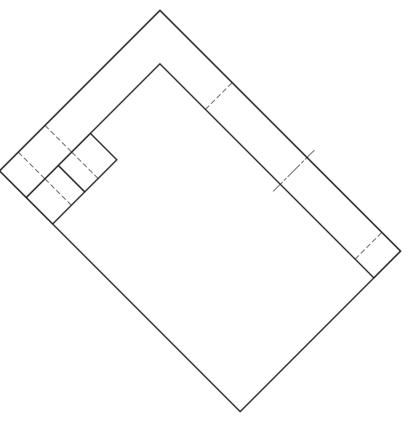
GL

PP

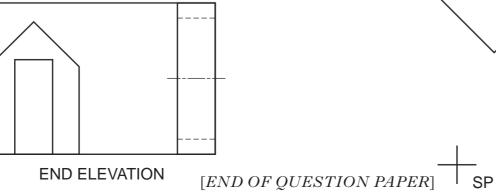




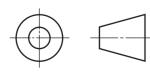




Candidate's Name







## ACKNOWLEDGEMENTS

Question 5—British Handball logo is reproduced by kind permission of the British Handball Association.

Leaflet—Autodesk "Create" Leaflet, October 2009, Issue 08. Permission is being sought from Autodesk Ltd.

Leaflet—Image of Nike Zoom training shoes are reproduced by NIKE, Inc, under their "fair use" policy.

## X033/13/11

NATIONAL TUESDAY, 21 MAY QUALIFICATIONS 9.00 AM - 12.00 NOON 2013

GRAPHIC COMMUNICATION ADVANCED HIGHER Leaflet for use with Questions 1 and 2





## Leaflet for use with Questions 1 and 2



→ SIDE ONE



SIDE TWO ─►