BERGVLIET HIGH SCHOOL

Grade 8 Technology Graphic Communication

Informal Test 3 | 30 marks | Suggested working time 40 minutes

Name: ________________________________ Class: _________ Date: _________

Answer all questions in the spaces provided. Use a pencil and ruler for drawings. Show working and units in calculations. This is preparation for the November examination.

Question 1: Drawing Theory

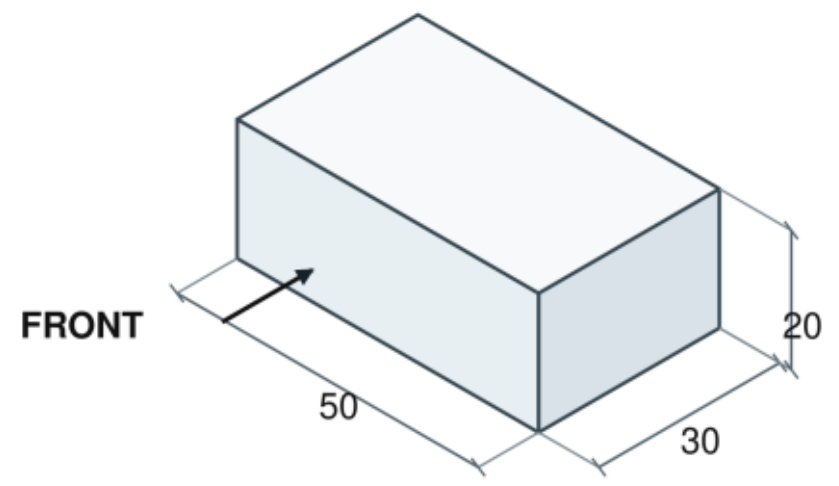


1.1 State the conventional function of lines A and B. **(2)**

1.2 State the conventional function of line C. **(1)**

1.3 A 100 mm part is drawn at a scale of 1 : 2. State its drawn length and the dimension value written on the drawing. **(2)**

Question 2: Orthographic Drawing of a Rectangular Block



Dimensions in mm • Not to scale

2 Draw and label the FRONT VIEW and TOP VIEW at 1 : 1 in first-angle projection on the grid on the next page. Show width, depth and height once each. **(10)**

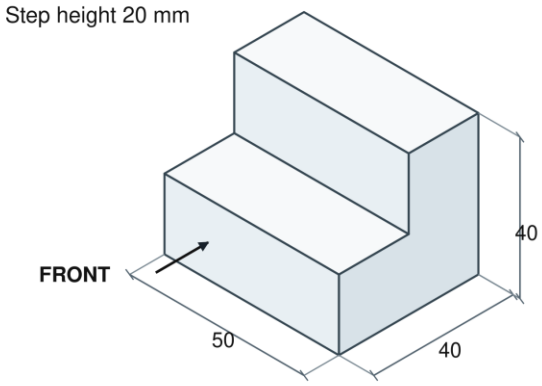
The grid is 5 mm per square at actual-size printing. Use thin construction and dimension lines and clear visible outlines.

Question 2 Drawing Grid

50 mm print check

Question 3 Orthographic Drawing

The second block is 50 mm wide and 40 mm deep. Across its full width, the front 20 mm of depth is 20 mm high and the rear 20 mm is 40 mm high. There are no holes.

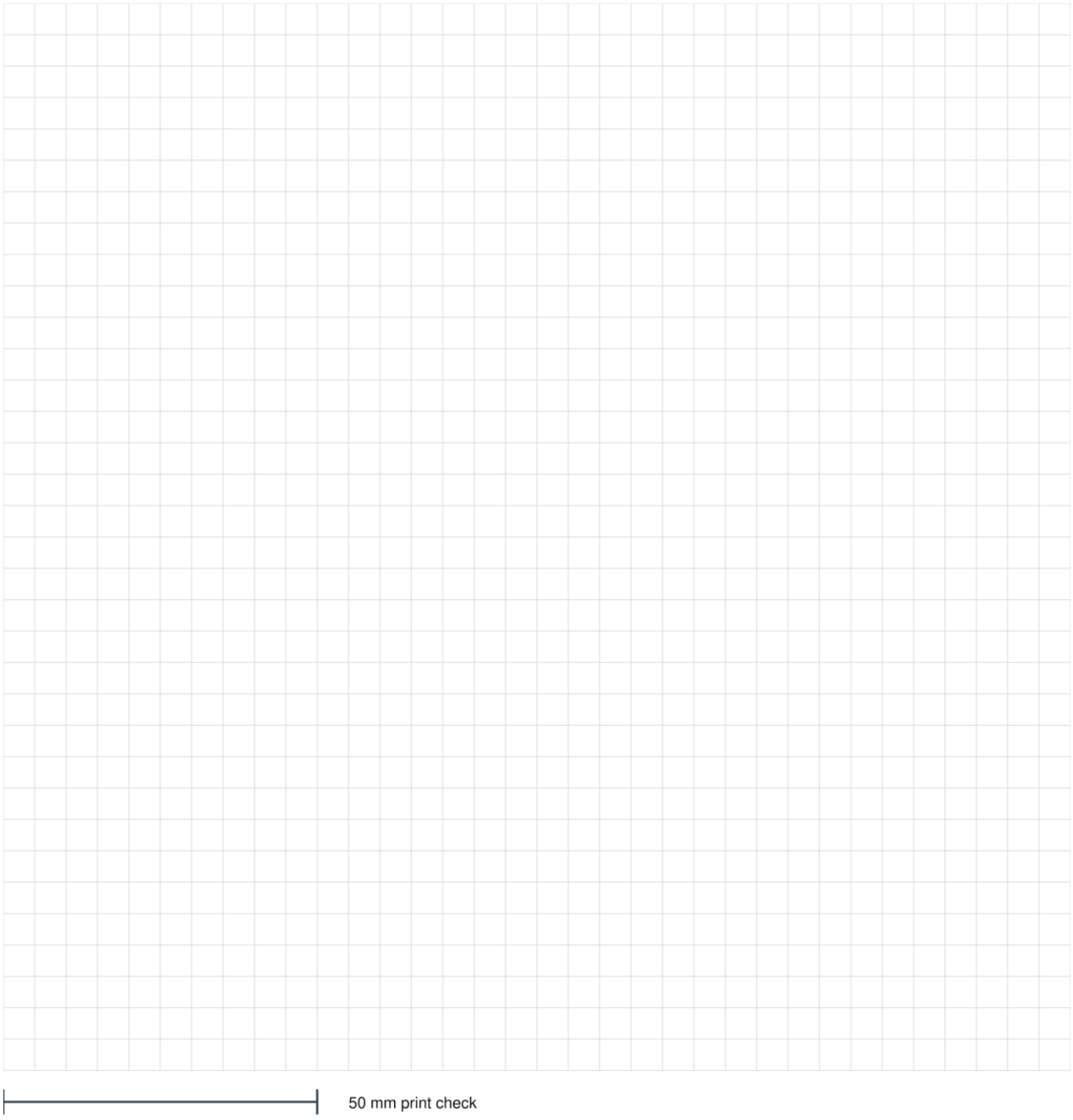


Dimensions in mm • Not to scale

3 Draw FRONT, TOP and RIGHT-SIDE views in first-angle projection at 1 : 1 on the next page. Align and label all views. Show overall width, depth, height and the 20 mm step/recess height once each. **(15)**

Question 3 Drawing Grid

Name: _____ Class: _____



Print at 100% actual size. The calibration bar must measure 50 mm. Do not use fit-to-page scaling.

TOTAL **30 MARKS**