BERGVLIET HIGH SCHOOL

Grade 9 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

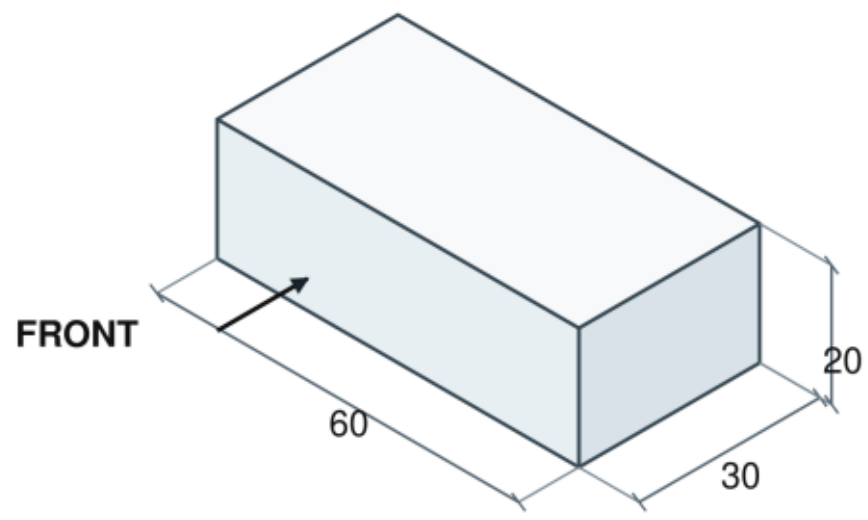


1.1 State the conventional function of lines A and B. **(2)**

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)**

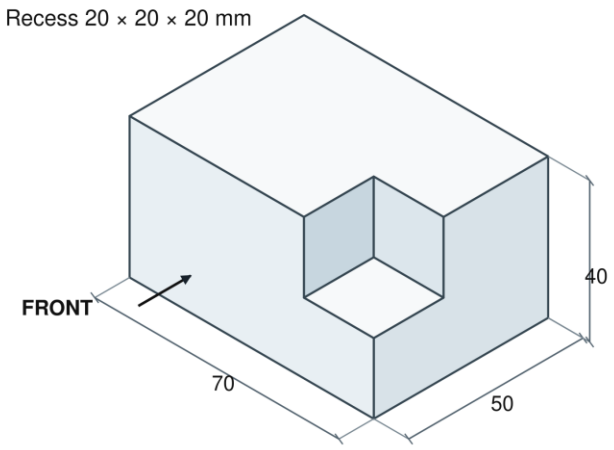
The grid is 5 mm per square at actual-size printing. Use thin construction and dimension lines and clear visible outlines.

Question 2 Drawing Grid

50 mm print check

Question 3 Orthographic Drawing

The second block is 70 mm wide, 50 mm deep and 40 mm high. A 20 mm × 20 mm × 20 mm corner recess is removed from the upper front-right corner. The rear part remains full height.

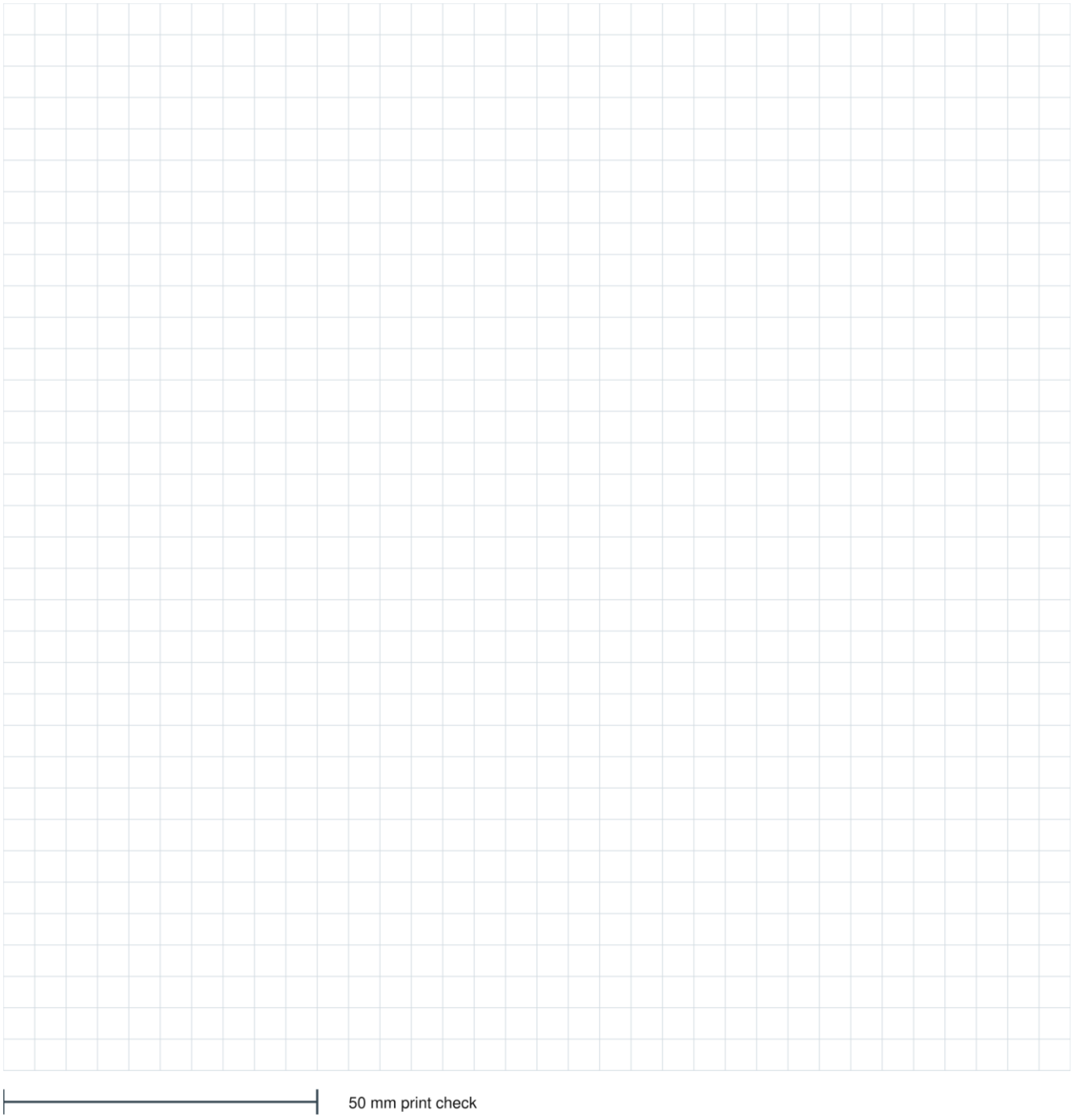


Dimensions in mm • Not to scale

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**