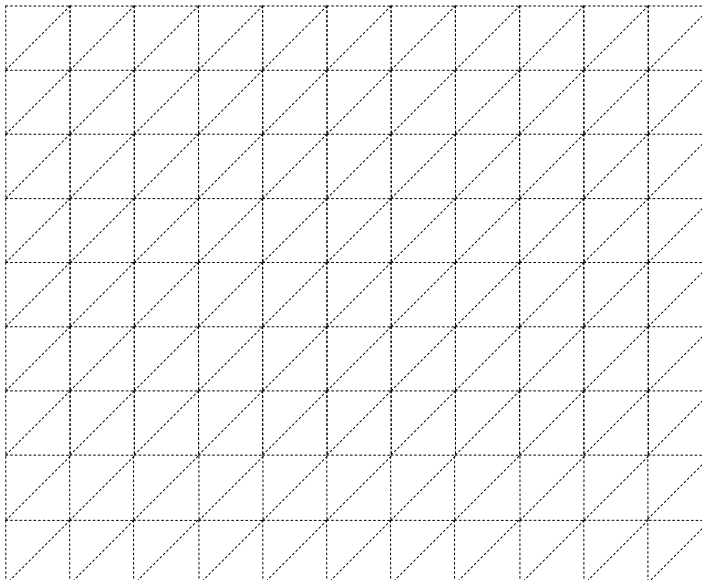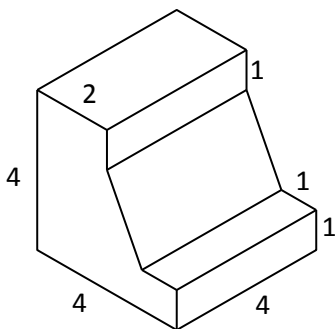# TB(1A) Ch. 6 Introduction to Geometry
Conventional Questions

1. **[11-12 Standardized Test 2 Q2]**
Draw the 2-D representation of the given prism on oblique grid paper.   **(2 marks)**

2. **[11-12 Standardized Test 2 Q5]**
In **Figure 4**, *AEC*, *CGD*, *DFE and AFGB* are straight lines and $AC \perp DE$. $\angle A = 20°$, $\angle B = y - 4°$, $\angle ACD = 80° - x$, $\angle BCD = y + 12°$ and $\angle D = 2x - 10°$.

(a) Find *x*.   **(2 marks)**

(b) Find *y*.   **(2 marks)**

Figure 4

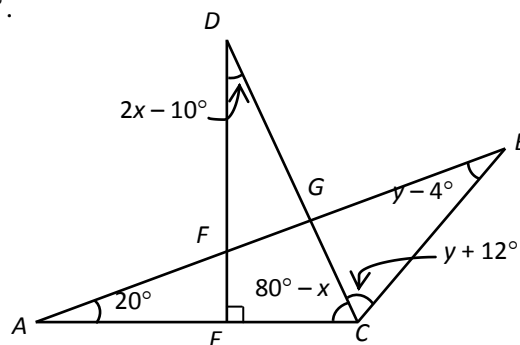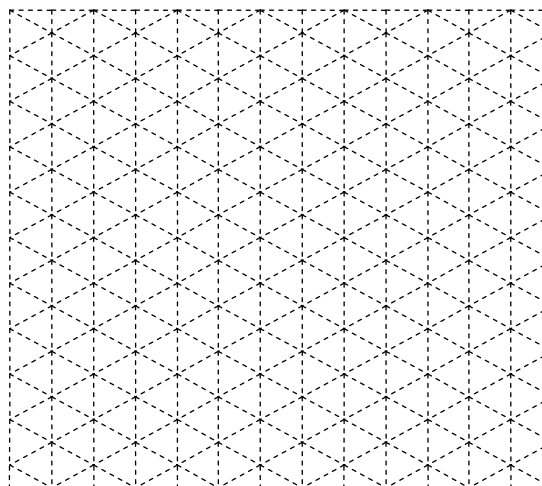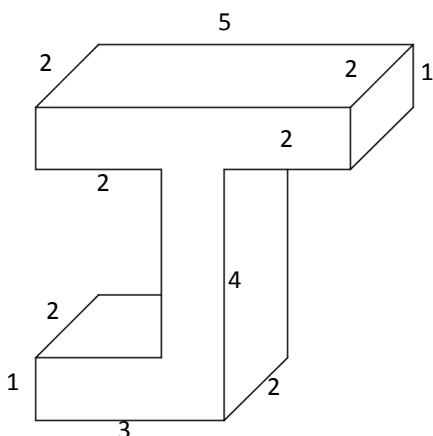**3.** **[11-12 Final Exam, 4]**
Draw the 2-D representation of the following prism on the isometric grid.   **(2 marks)**

4. [12-13 Standardized Test 2 Q2]

(a) Draw the 2-D representation of the prism in **Figure 1** on the isometric grid.   **(2 marks)**
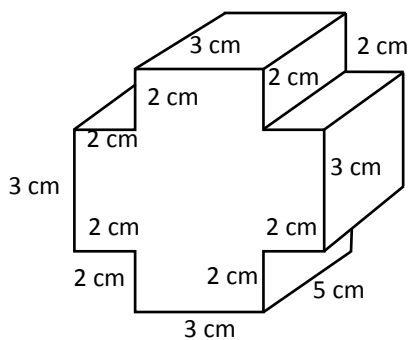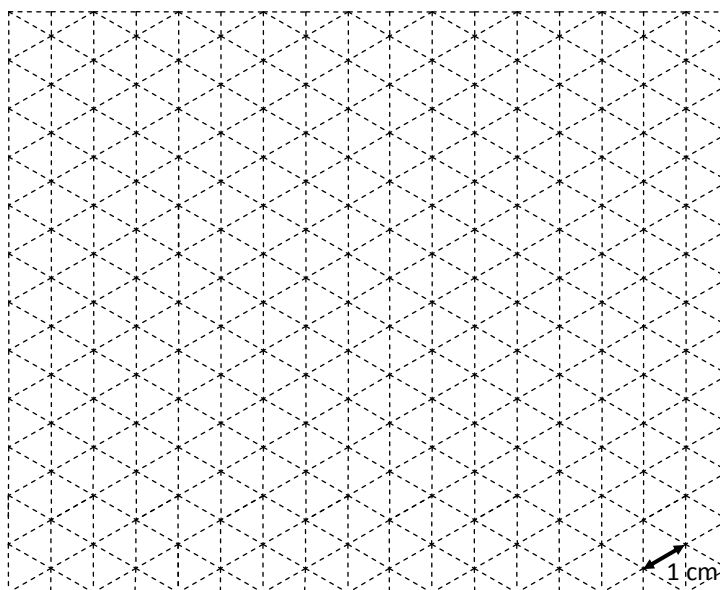
Figure 1

1 cm

5. [13-14 Standardized Test 2 Q4]

Figure 3 shows the 2-D representation of a prism on the isometric grid paper. Draw the 2-D representation of the prism on the oblique grid.   **(2 marks)**
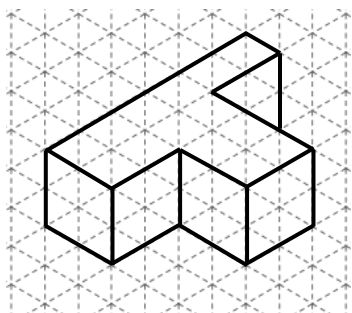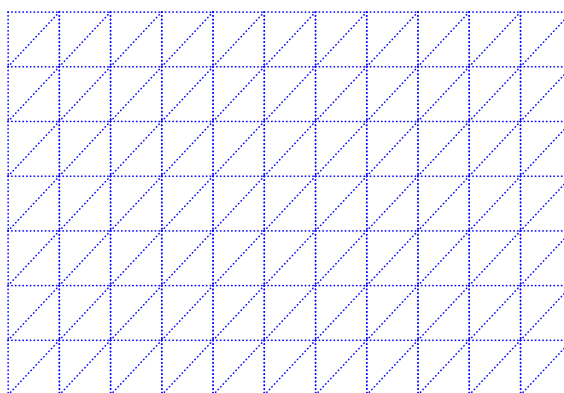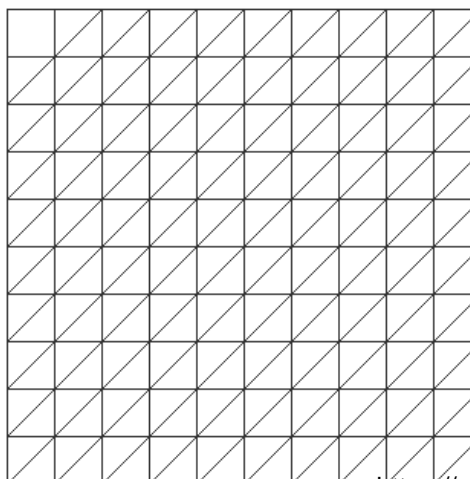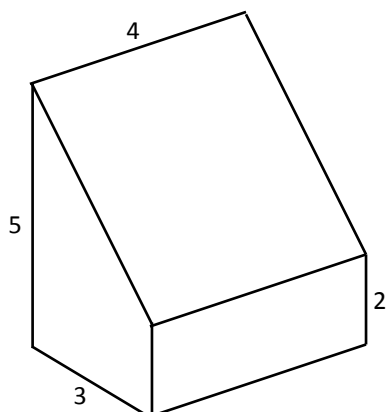
Figure 3

6. [14-15 Standardized Test Q1]

Draw the 2-D representation of the following prism on the oblique grid.   **(2 marks)**

4

5

2

3

7. [14-15 Standardized Test Q4]

In **Figure 2**, *EAC*, *FAB* and *BDC* are straight lines. It is given that $\angle ABC = 6x$, $\angle ACB = 4x$, $\angle BAD = 5x$ and $\angle CAD = 3x$, find the value of $\angle EAF$. **(2 marks)**
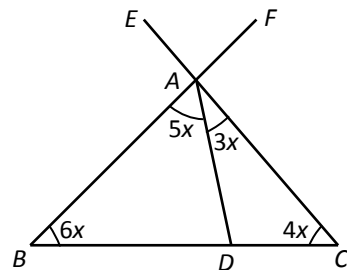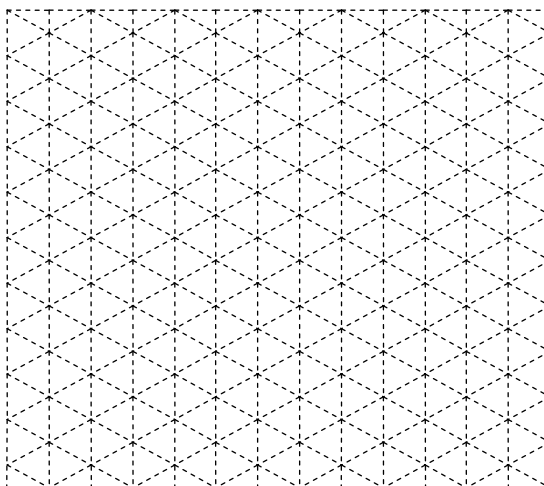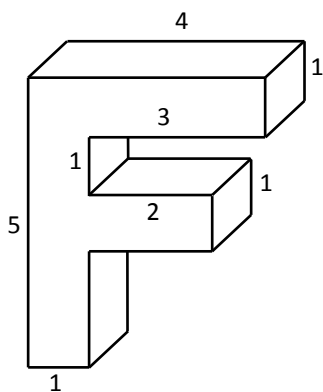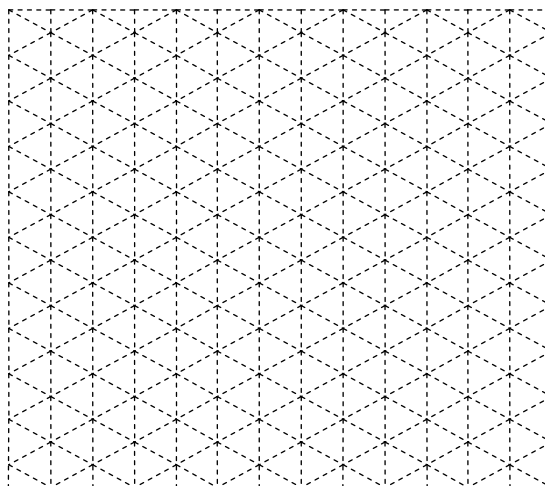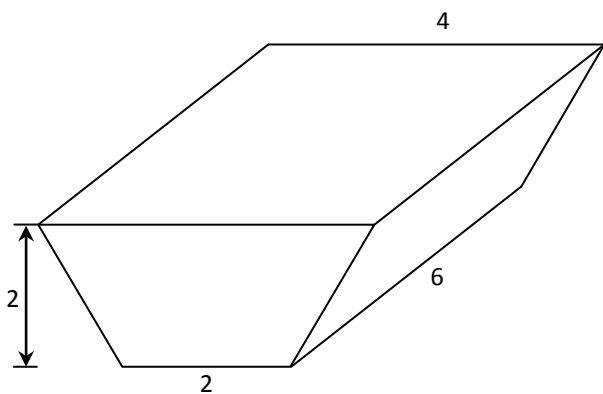

Figure 2

8. [14-15 Final Exam Q1]

Draw the 2-D representation of the following solid on the isometric grid paper.

9. [15-16 Final Exam Q2]

Draw the 2-D representation of the following prism on the isometric grid paper. **(2 marks)**

~ End ~