The following figure is a multiview orthographic drawing of a part called "COUPLING". Answer the questions on the next page.

(Problem is adapted from "Interpreting engineering drawings" by Jensen et al.)

MATERIAL: SS 400
SCALE: 1 : 1
DRAWN: JKA
DATE: 12/5/2548

Interpreting Engineering Drawing

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QUESTIONS

1. What is the overall width?
2. What is the overall depth?
3. What is the overall height?
4. Calculate distances A through H.
5. Calculate distances 1 through 10.
6. How many holes are in the bottom surface?
7. How many holes are in the top surface?
8. How thick is the largest flange?
9. What is the angle 1?
10. What is the size of bolts would be used for the Ø7 holes located on the top flange? Allow for 1 mm clearance.

ANSWERS

1. ____  5. 1 ____  6. ____
2. ____  2. ____  7. ____
3. ____  3. ____  8. ____
4. A ____  4. ____  9. ____
   B ____  5. ____  10. ____
   C ____
   D ____
   E ____
   F ____
   G ____
   H ____