

Blueprint Reading

STUDENT WORKBOOK PRACTICE SHEETS

Answer all Exercise questions on these sheets. Do not write in the manual, as they may be reused. Your instructor may ask you to turn in these PRACTICE SHEETS for grading and record keeping.

Student Name: _____ Date: _____

BLUEPRINT READING PRACTICE SHEET
Alphabet of Lines Exercise

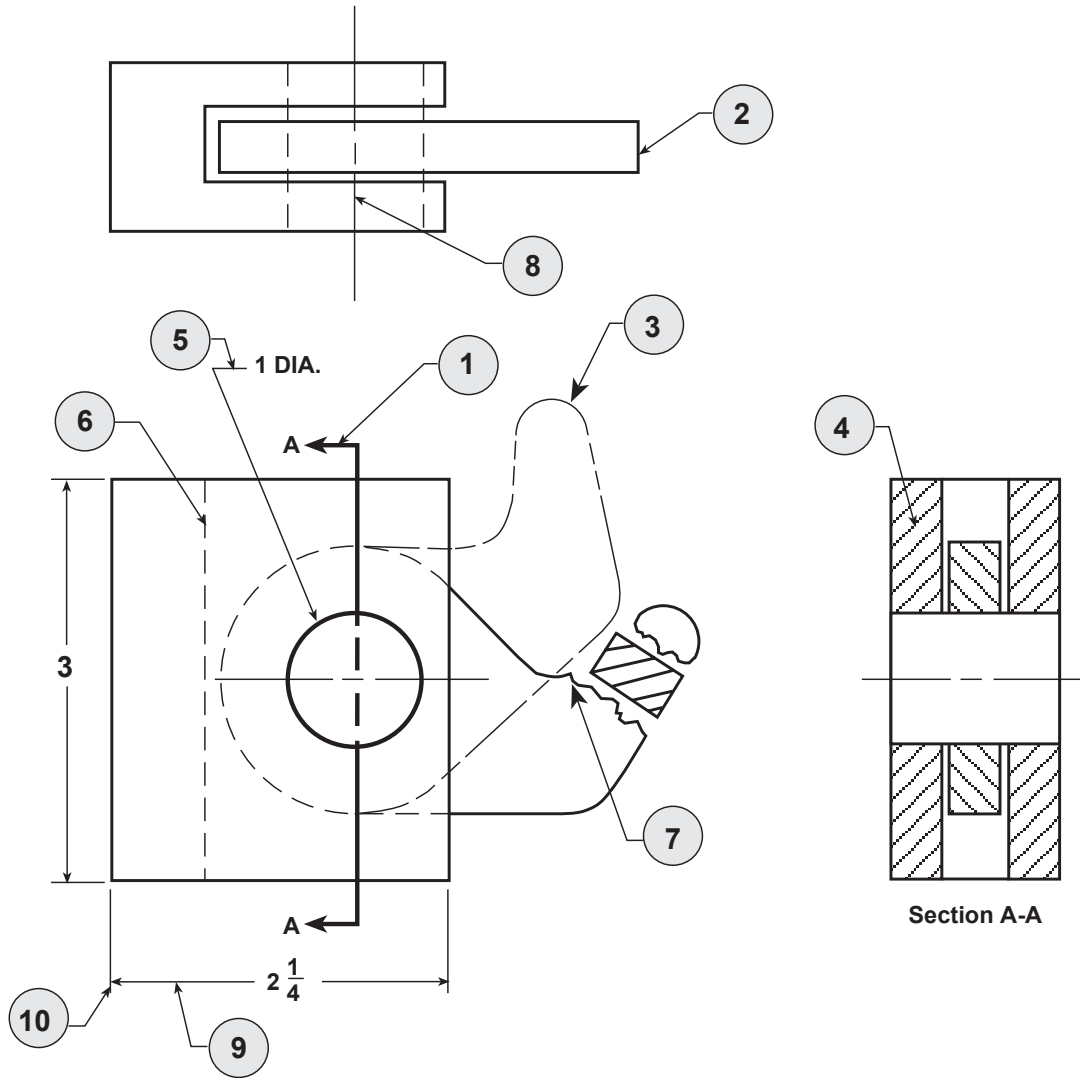
1. Match the following (write the letter of the correct definition on line to the left):

- | | |
|--------------------|--|
| ___ Object line | A. Used when it is not necessary to show all of a part. |
| ___ Hidden line | B. The lines which show the visible parts in a view. |
| ___ Center line | C. Used in combination with a cutting plane line to depict the inner structure of an object. |
| ___ Phantom line | D. Used to show the location of a cut for a sectional view or the direction from which a view is taken. |
| ___ Break line | E. Shows the course through which center travels. |
| ___ Extension line | F. A thin line that extends from the part or feature being dimensioned. |
| ___ Cutting plane | G. Used to indicate edges, intersections, etc., that are behind other features of the part. |
| ___ Section line | H. Used in conjunction with extension lines to indicate a linear distance. |
| ___ Dimension line | I. Shows alternate positions of parts and also the location of parts that are not integral parts of the item depicted. |

2. Draw the following lines:

1. Object line
2. Cutting plane line
3. Short break line
4. Extension and dimension lines
5. Hidden lines
6. Section line
7. Center line
8. Long break line
9. Phantom line

3. Identify the ten lines found on the drawing below by writing the correct name of each in the space provided.



- | | |
|----------|-----------|
| 1. _____ | 6. _____ |
| 2. _____ | 7. _____ |
| 3. _____ | 8. _____ |
| 4. _____ | 9. _____ |
| 5. _____ | 10. _____ |

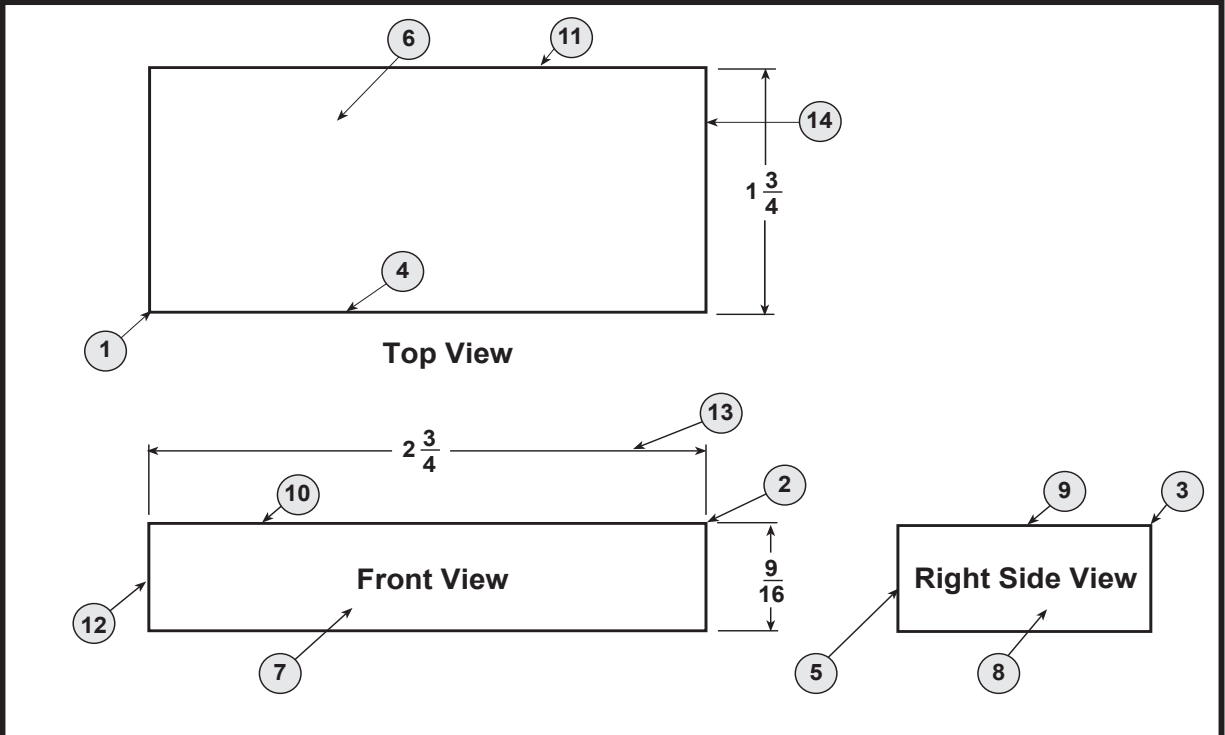
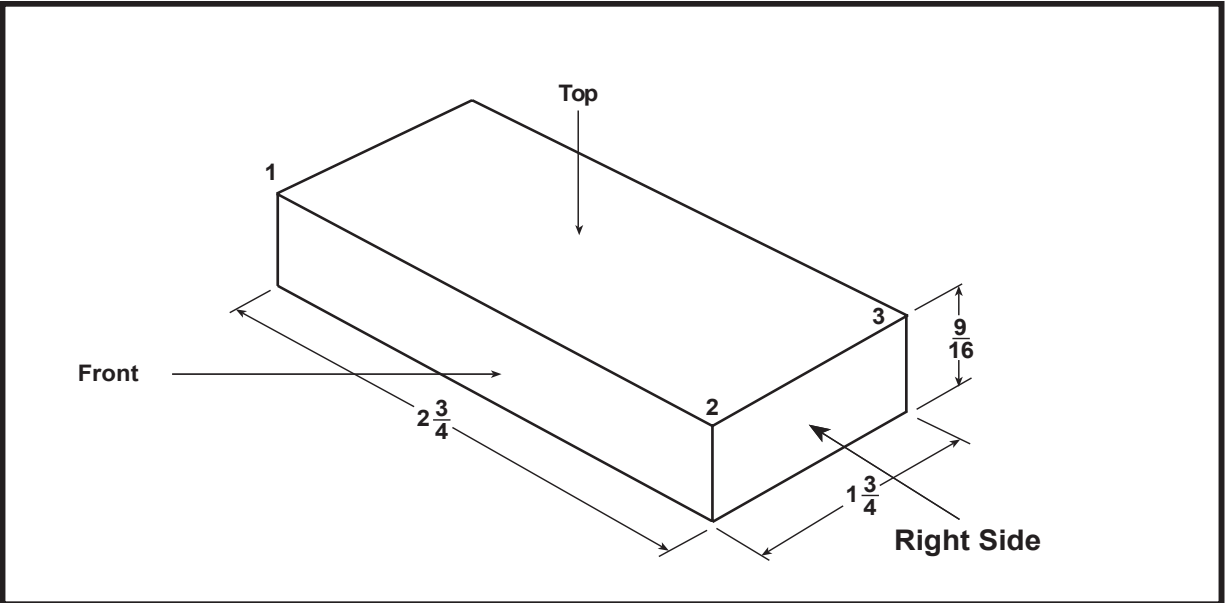
SCORE: _____

Exercise 1

Views and Title Block

1. What is the name and part number of the part?
2. How many are required?
3. How many views of the part are shown?
4. What is the overall length, height thickness and width?
5. In what two views is length, height and width shown?
6. If number 6 represents the top surface, what line represents this surface in the front view?
7. If number 8 represents the surface in the right side view, what line represents this surface in the top view?
8. What line in the top view represents the surface 7 of the front view?
9. What line in the right side view represents the front surface of front view?
10. What surface shown does line 10 represent?
11. What line of the front view does point 1 represent?
12. What line of the top view does point 2 represent?
13. What line of the top view does point 3 represent?
14. What dimension is represented by line 12?
15. What dimension is represented by line 14?

Score: _____



Scale: 1/1	Approved By: <i>Ken Bell</i>	Drawn By: <i>C.B.</i>
Date: 10-3-93	By: <i>Ken Bell</i>	Revised:
Title: Pressure Pad Blank		Drawing No: D-3
Mat'l Specs: M.S.	Part No.: 121-59	Quantity: 2