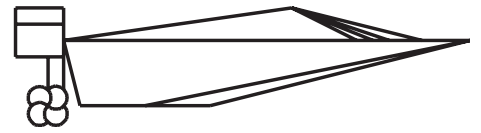
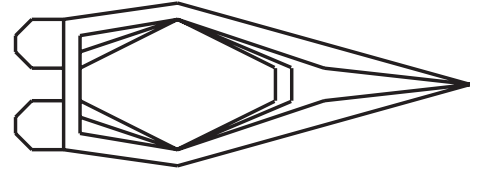


Chapter 2

SPEED BOAT



A. Create Rectangle.

Step 1. MAIN MENU.

Step 2. Create.

Step 3. Rectangle.

Step 4. 1 Point.

Step 5. Key-in 5 for Width and 1.2 for Height, Fig. 1.

Step 6. For the Placement Point, click the bottom left gray rectangle and click OK, Fig. 1.

Step 7. Origin.

Step 8. Use **ALT-F1** to fit the rectangle on the screen. Hold down ALT and press F1.

Step 9. MAIN MENU.

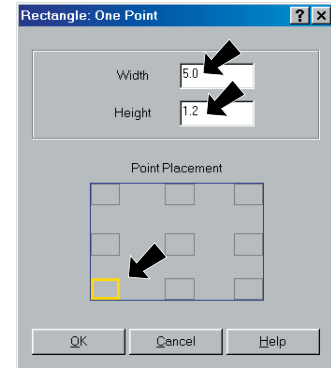


Fig. 1



Fig. 2

B. Draw Lines In Side View.

Step 1. Draw the lines **yellow**. Change the color to yellow. Click the color swatch in the Secondary Menu (bottom of the menu). Click yellow, number 14 and click OK and click OK.

Step 2. MAIN MENU.

Step 3. Create.

Step 4. Line.

Step 5. Endpoints.

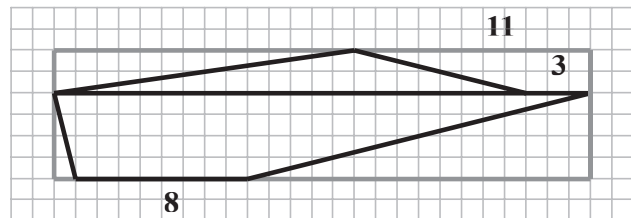


Fig. 3

Step 6. Draw the lines in **Fig. 3**. Use the grid to determine the location of the lines.

If an error is made use **F5** to delete the line. Press F5 move the cursor over the incorrect line and click the line.

Press ESC to exit delete.

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| Fit on Screen ALT-F1 | Delete F5 | Redraw F3 | Zoom In F1 | Unzoom Page Down |
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Mastercam SPEED BOAT Page 2-1

Brookside Middle School Tech Ed

<http://www.sarasota.k12.fl.us/brookside/cudacountry> email:cudacountry@comcast.net

C. Save Your File.

- Step 1. MAIN MENU.
- Step 2. File.
- Step 3. Save.
- Step 4. Key-in **speed boat** for file name and press ENTER.

D. Create Rectangle For Top View.

- Step 1. MAIN MENU.
- Step 2. Create.
- Step 3. Rectangle.
- Step 4. 1 Point.
- Step 5. Key-in **5 for Width** and **2 for Height** and press ENTER.
- Step 6. Key-in **0, 1.8** and press ENTER, **Fig. 4**.
- Step 7. Use **ALT-F1** to fit drawing on the screen. Hold down ALT and press F1.
- Step 8. MAIN MENU.

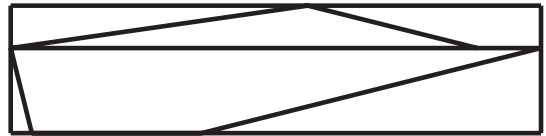


Fig. 4

E. Draw Line In Top View.

- Step 1. MAIN MENU.
- Step 2. Create.
- Step 3. Line.
- Step 4. Endpoints.
- Step 5. Draw the lines in **Fig. 5**. Use the grid to determine the location of the lines.
- Step 6. Save your drawing. Use **Alt-A** and press ENTER.

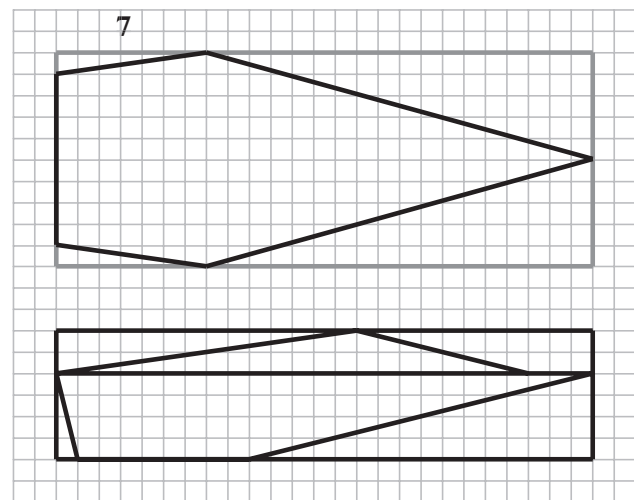


Fig. 5

F. Draw Detail Lines.

Step 1. Draw the lines **green**. Change the color to green. Click the color swatch in the Secondary Menu (bottom of the menu). Click green, number 10 and click OK and click OK.

Step 2. MAIN MENU.

Step 3. Create.

Step 4. Line.

Step 5. Endpoints.

Step 6. Draw the lines in **Fig. 6**.

Step 7. Save your drawing. Use **Alt-A** and press ENTER.

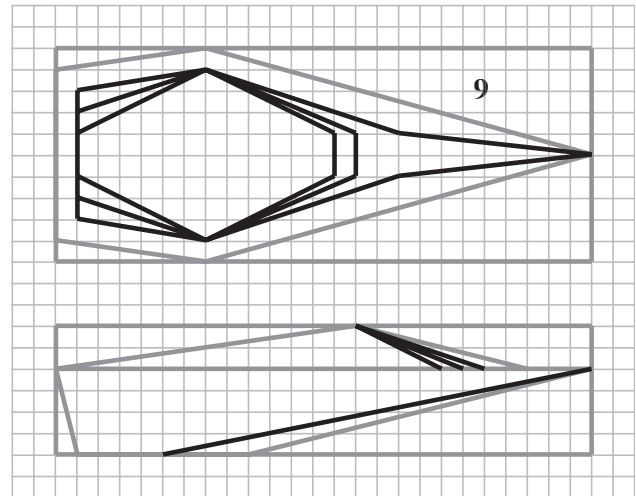


Fig. 6

G. Delete Rectangle Lines.

Step 1. The two rectangle lines are no longer needed. Use **F5** to delete them. Press **F5** then click the 8 lines that make up the rectangle, **Fig. 7**. Press ESC to exit delete.

Step 2. Use **F3** to redraw the display.

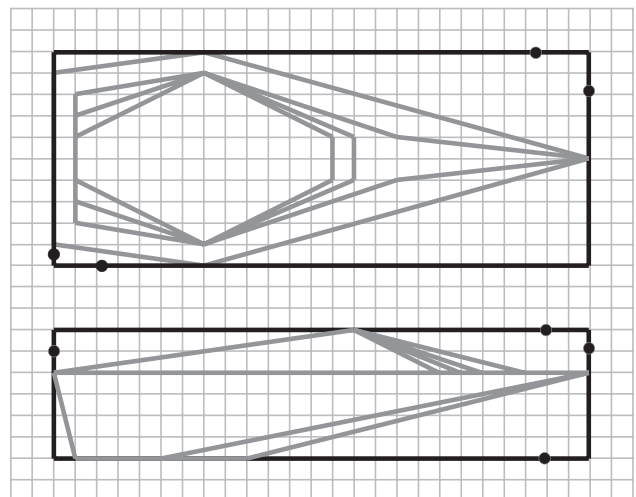


Fig. 7

H. Draw Outboard Motors.

Step 1. Use the **Arrow Left** key 3 or 4 times to pan the drawing to make room for the motors.

Step 2. MAIN MENU.

Step 3. Create.

Step 4. Line.

Step 5. Endpoints.

Step 6. Draw the lines in **Fig. 8**.

Step 7. Save your drawing. Use **Alt-A** and press ENTER.

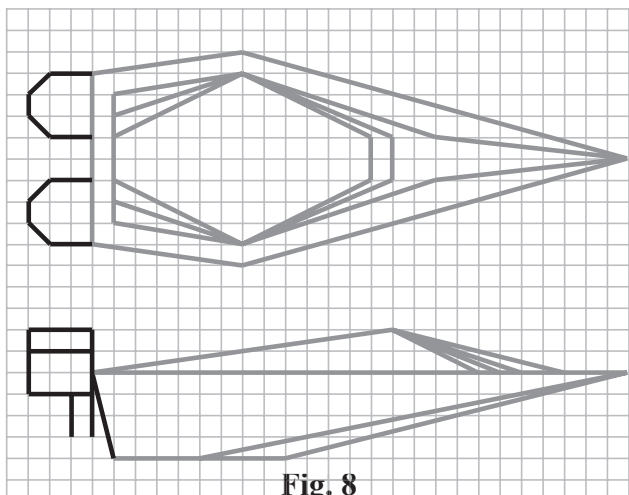


Fig. 8

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| Fit on Screen ALT-F1 | Delete F5 | Redraw F3 | Zoom In F1 | Unzoom Page Down |
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I. Draw Propeller.

Step 1. MAIN MENU.

Step 2. Create.

Step 3. Arc.

Step 4. 3 Points.

Step 5. Draw the 3 points in **Fig. 9** to draw one blade of the propeller. Click the points in Fig. 10 to draw another blade. Draw the other 2 blades, **Fig. 11**.

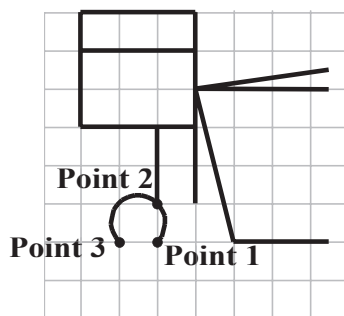


Fig. 9

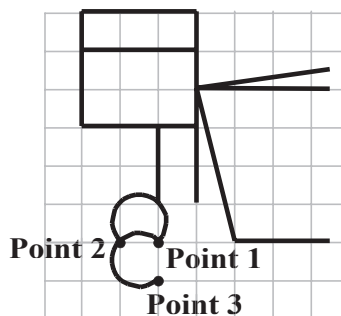


Fig. 10

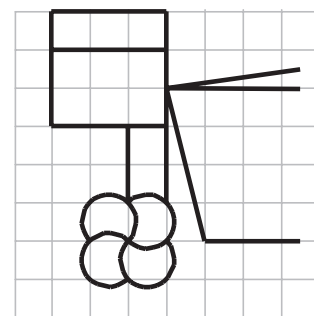


Fig. 11

J. Add Your Name and Period To Drawing.

Step 1. MAIN MENU.

Step 2. Create.

Step 3. Drafting.

Step 4. Note.

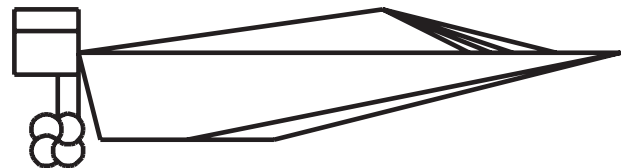
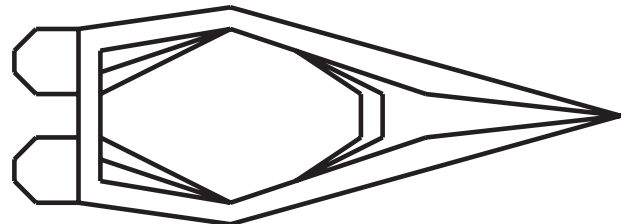
Step 5. Lock the Caps, key-in: DRAWN BY:
FIRST AND LAST NAME AND FIRST
AND LAST NAME AND PERIOD 1 (or
whatever your period is).

Step 6. Click OK.

Step 7. Use **Page Down** key to reduce the drawing.

Step 8. Center the text at the bottom of the drawing and click, **Fig. 12**.

Step 9. Save your drawing. Use **Alt-A** and press ENTER.



DRAWN BY: MR. HALEY PERIOD 1

Fig. 12

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| Fit on Screen ALT-F1 | Delete F5 | Redraw F3 | Zoom In F1 | Unzoom Page Down |
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