5-1

1. Select the Line tool from the Draw toolbar.
2. Select the Snap to Node tool from the Object Snap toolbar.
3. Click at point A (1.25,8.00).
4. Draw the lower horizontal line using the absolute coordinate system by typing 3.75,8.00 and press the Enter key.
5. Draw the right vertical line using the absolute coordinate system by typing 3.75,10.00 and press the Enter key.
6. Draw the upper horizontal line using the absolute coordinate system by typing 1.25,10.00 and press the Enter key.
7. Draw the left vertical line using the absolute coordinate system by typing 1.25,8.00 and press the Enter key.
8. Exit the command.

Note: Step 7 can also be done by typing the letter c to close the object. The close function requires that the object was drawn with a single selection of the Line tool.

5-2

1. Select the Line tool from the Draw toolbar.
2. Select the Snap to Node tool from the Object Snap toolbar.
3. Click at point A.
4. Draw the lower horizontal line using the relative coordinate system by typing @1.5,0 and press the Enter key.
5. Draw the right vertical line using the relative coordinate system by typing @0,2.25 and press the Enter key.
6. Draw the upper horizontal line using the relative coordinate system by typing @-1.5,0 and press the Enter key.
7. Draw the left vertical line using the relative coordinate system by typing @0,-2.25 and press the Enter key.
8. Exit the command.

Note: Step 7 can also be done by typing the letter c to close the object. The close function requires that the object was drawn with a single selection of the Line tool.

5-3

1. Select the Line tool from the Draw toolbar.
2. Select the Snap to Node tool from the Object Snap toolbar.
3. Click at point A.
4. Draw the lower horizontal line using the relative coordinate system by typing @2,0 and press the Enter key.
5. Draw the right diagonal line using the relative coordinate system by typing @-2,2 and press the Enter key.
6. Draw the left vertical line using the relative coordinate system by typing @0,-2 and press the Enter key.
7. Exit the command.

Note: Step 6 can also be done by typing the letter c to close the object. The close function requires that the object was drawn with a single selection of the Line tool.
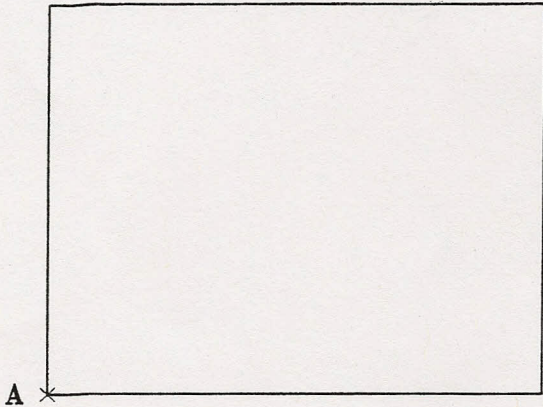
5-4

1. Select the Line tool from the Draw toolbar.
2. Select the Snap to Node tool from the Object Snap toolbar.
3. Click at point A.
4. Draw the lower horizontal line using the polar coordinate system by typing @2.5<0 and press the Enter key.
5. Draw the right vertical line using the polar coordinate system by typing @1.50<90 and press the Enter key.
6. Draw the upper horizontal line using the polar coordinate system by typing @2.5<180 and press the Enter key.
7. Draw the left vertical line using the polar coordinate system by typing @1.50<270 and press the Enter key.
8. Exit the command.

Note: Step 7 can also be done by typing the letter c to close the object. The close function requires that the object was drawn with a single selection of the Line tool.

5-5

1. Select the Line tool from the Draw toolbar.
2. Select the Snap to Node tool from the Object Snap toolbar.
3. Click at point A.
4. Draw the lower horizontal line using the polar coordinate system by typing @2<0 and press the Enter key.
5. Draw the right diagonal line using the polar coordinate system by typing @2<120 and press the Enter key.
6. Draw the left diagonal line using the polar coordinate system by typing @2<240 and press the Enter key.
7. Exit the command.

Note: Step 6 can also be done by typing the letter c to close the object. The close function requires that the object was drawn with a single selection of the Line tool.
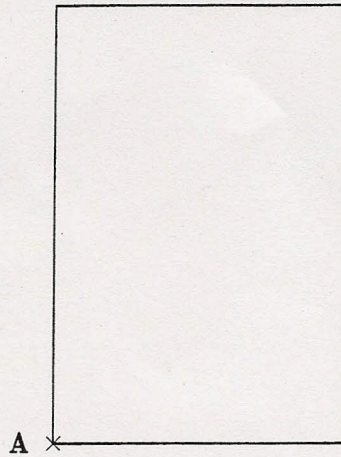
5-6

1. Select the Line tool from the Draw toolbar.
2. Select the Snap to Node tool from the Object Snap toolbar.
3. Click the node at point A before drawing each of the following lines using the polar coordinate system.
4. After drawing each line, exit the line command and repeat steps 1 - 3.
5. Draw line 1 by typing @1<0 and press the Enter key.
6. Draw line 2 by typing @1<45 and press the Enter key.
7. Draw line 3 by typing @1<90 and press the Enter key.
8. Draw line 4 by typing @1<135 and press the Enter key.
9. Draw line 5 by typing @1<180 and press the Enter key.
10. Draw line 6 by typing @1<225 and press the Enter key.
11. Draw line 7 by typing @1<270 and press the Enter key.
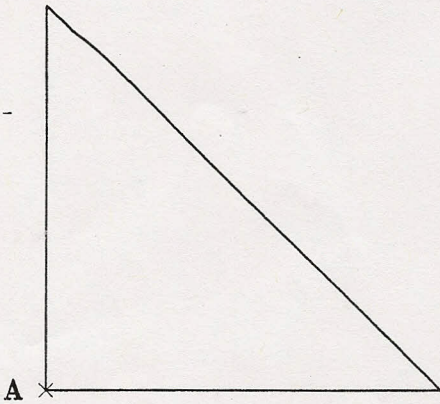12. Draw line 8 by typing @1<315 and press the Enter key.

5-1

A ✕

Draw a box (2.50 x 2.00) at point A using
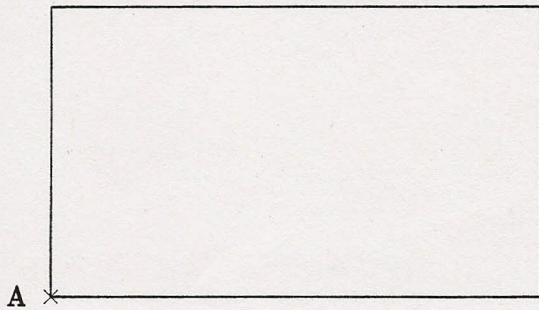the absolute coordinate system.

5-2

A ✕

Draw a box (1.50 x 2.25) at point A using
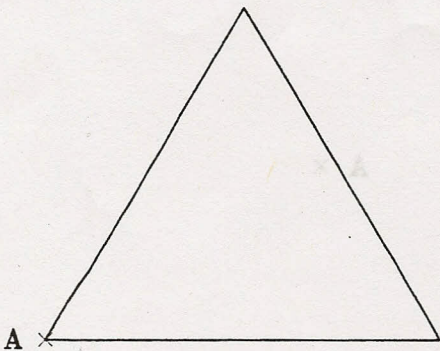the relative coordinate system.

5-3

A ✕

Draw a 90/45 triangle (2.00") at point A using
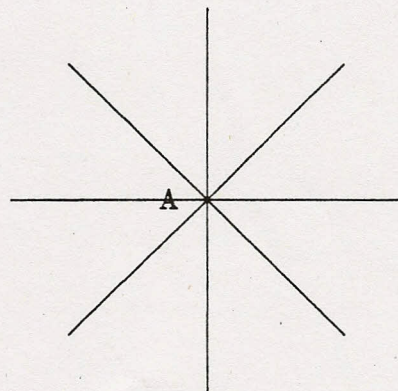the relative coordinate system.

5-4

A ✕

Draw a box (2.50" x 1.50") at point A using
the polar coordinate system.

5-5

A ✕

Draw an equilateral triangle (2.00") at point A
using the polar coordinate system.

5-6

A

Draw 8-1" lines radiating uniformly from
point A using the polar coordinate system.

TEL 347/547 – Exercise #5   Name: