1. Draw a line-command: Line
a. Choose command: Line
b. Clicking on the desktop
c. Enter in the command line: @ 90, 0 / Enter/
d. Enter in the command line: @ 0, 90/ Enter/
e. ESC
2. Draw a Circle $\mathbf{1}$ - command: Circle
a. Choose command: Circle
b. choose center of the circle
c. Enter in the command line: $d / E n t e r /$
d. Enter in the command line: 140 /enter/
3. Draw a Circle $\mathbf{2}$ - command: Circle
a. Choose command: Circle
b. choose center of the circle
c. Enter in the command line: $d / E n t e r /$
d. Enter in the command line: 160 /enter/
4. Draw a Circle $\mathbf{3}$ - command: Circle
a. Choose command: Circle
b. Choose center of the circle
c. Enter in the command line: d/Enter/
d. We enter the command line: 176 /enter/
5. Copy of parallel objects - Command: offset
a. We enter the command line: 103 / Enter/
b. Tag the horizontal line and click over it
6. Extension to a specific line - Command: Extend
a. Tag line to which you will prolong / Enter/

b. Indicate a proximal end of the line, which will prolong / vertical line / and / Enter/
c. ESC
7. Rotate objects - Command: Rotate
a. Highlight the topline / Enter/
b. choose center of rotation

c. Entering value of the angle of rotation: 105 / Enter/
8. Setting the mirror image - Command: Mirror
a. Mark the rotated line / Enter/
b. Mark two points on the vertical line to which we will do mirror image / Enter/
9. Delete part of an object - Command: Trim

a. Mark all with mouse / Enter/
b. Click on unnecessary parts
c. ESC
10. Drawing on the roundings - Command: Fillet
a. Enter in the command line: R / Enter/
b. Enter in the command line: 2 / Enter/
c. Mark the lines between which you are rounding / Enter/
d. Mark the lines between which you are rounding / Enter/
e. Mark the lines between which you are rounding / Enter/

f. Mark the lines between which you are rounding / Enter/
11. Multiple copying objects - Command: Array
a. Click on polar array
b. Choose Select object
c. Select only the cog / without circles / and / Enter /
d. point the center of the circles with the icon

Pick center point
e. Enter in Total $\qquad$
f. OK
12. Delete part of an object - Command: Trim

a. Mark all with mouse / Enter/
b. Click on everything that needs to be erased

c. ESC
13. Draw a line without asking coordinates / second projection / - Command: Line
a. Point center and endpoint / ORTHO mode on or key Shift /

b. ESC
14. Draw a Circle - command: Circle
a. Choose command: Circle
b. choose center of the circle
c. Enter in the command line: d/Enter/
d. Enter in the command line: 90 / Enter/
e. Choose command: Circle
f. choose center of the circle
g. Enter in the command line: d /Enter/
h. Enter in the command line: 100 / Enter/
15. Delete part of an object - Command: Trim
a. Mark two inner circles with a diameter of 90 and 100 / Enter /

b. Click on the components that are to be deleted
c. ESC
16. Multiple copying objects / small line/ - Command: Array
a. Click on polar array
b. Choose Select object
c. Mark the line between two circles / Enter/
d. Choose the center of the circles icon Pick center point
e. Enter in Total .....: 24
f. OK
17. Delete part of an object - Command: Trim
a. Mark all with mouse / Enter/
b. Click on everything that needs to be erased
c. ESC

18. Extension of the axial line without asking coordinates
a. Mark all lines, pick a single point and then drag to extend
b. ESC

19. Draw a line without asking coordinates - Command: Line
a. Draw four horizontal lines of intersection

b. Draw one vertical line
20. Copy of parallel objects - Command: Offset
a. Enter in the command line: 25 / Enter/
b. Choose the vertical line and then click to the right of it / Enter/

21. Delete part of an object - Command: Trim
a. Mark all with mouse / Enter/
b. Click on everything that needs to be erased
c. ESC
22. Delete the entire site - Mark unnecessary lines and press the delete key

23. parallel copying objects - Command: Offset
a. Enter in the command line: 70 / Enter/
b. Mark the line and click over it
c. ESC

24. Drawing bevel angles - Command: Chamfer
a. Enter in the command line: D / Enter/
b. Enter in the command line:

2 / Enter/
c. Enter in the command line: D / Enter/
d. Enter in the command line: 2 / Enter/
e. Mark two lines bevel angle / Enter/
f. Mark the other two lines bevel angle / Enter/
g. ESC
25. Set the mirror image - Command: Mirror
a. Mark the new projection / Enter/
b. Mark two points on the lower horizontal line to which we will be doing mirror image / Enter/

26. Changing the thickness and type of lines
a. mark all
b. From toolbox Properties selected thickness -0.30 and mode LWT
c. axial line to be made thin by opting for them - by block
d. Add type of line to the list - axial - select bar Properties - Other - Load - selectable ACAD_ISO10W100- OK - OK

e. Tag lines and added axial line choose from the list / Enter or ESC/.
27. Pattern - Command: Hatch
a. select button - Add pick point

b. Click on the locations that need hatching / Enter and OK/
28. Set dimensions - bar: Dimension
a. select the icon Diameter and clicking on any of the circles to size it
b. Change the text color by the Dimension Style Manager - Modify -text- by block

c. To insert the linear sizes - choose the button Linear and point end points.
d. To insert size of radius select button Radius and indicate rounding



