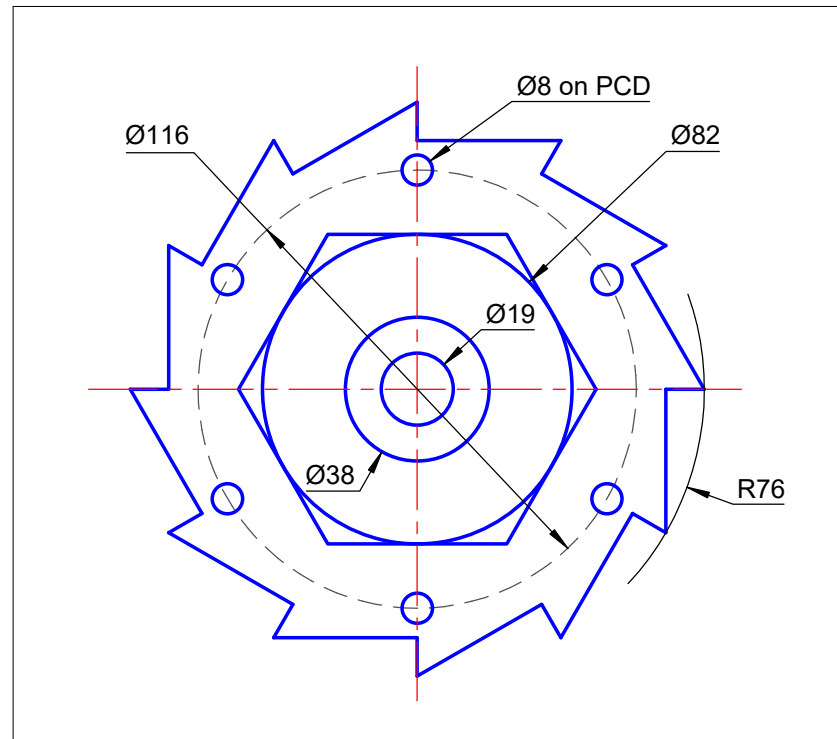


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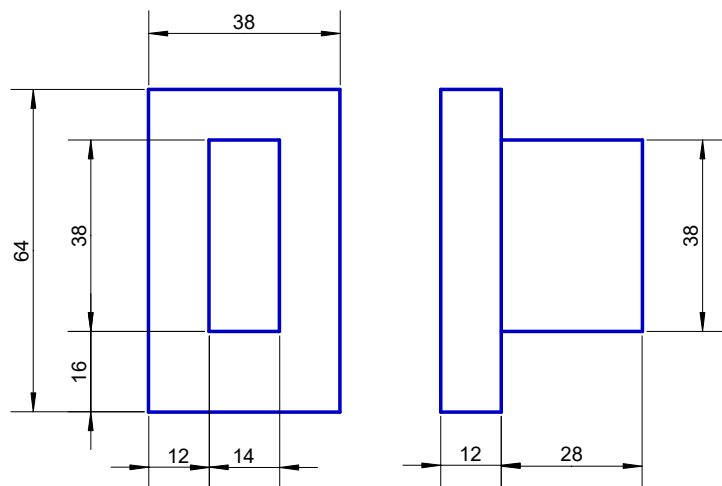
Practical Drawings

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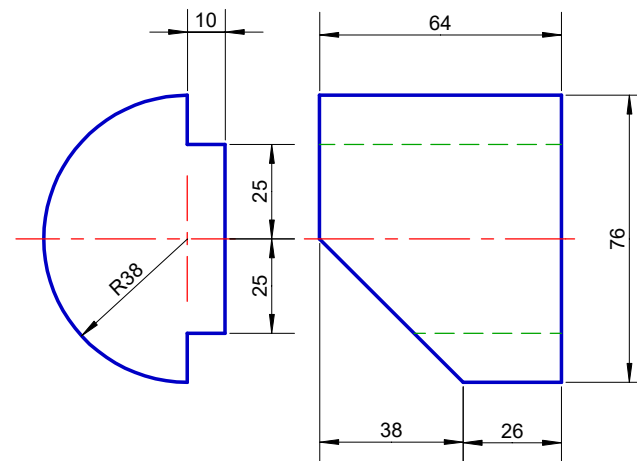


**These drawings supplements the TurboCAD 2D Drawing Course.
Drawings are prepared by TurboCAD Africa and can be contacted on 086 100 1277 for more information.**

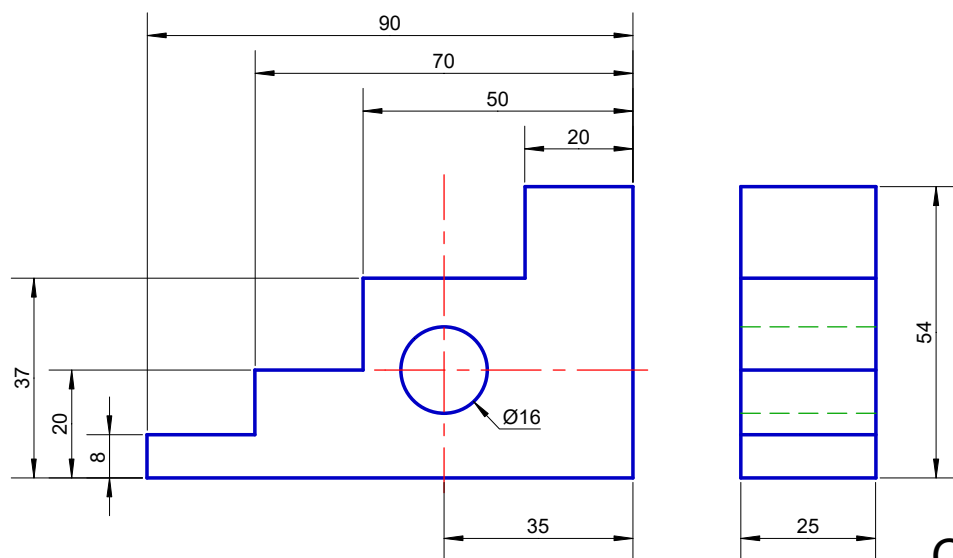
SNAP Modes SEKE (Single Entry Keyboard Equivalents)	Alt Key Codes	DEKE (Double Entry Keyboard Equivalent) TEKE (Triple Entry Keyboard Equivalent)																																																		
• V Snap to vertex status • M Snap to the Midpoint of a line • I Snap to Intersection (2D) • N Snap to Nearest Point • J Snap to Perpendicular • D Move the reference point of the selected object • E Snap to Centre of Extents of an object • C Snap to Centre of a Circle or Ellipse • Q Snap to the Quadrant point of an Arc • G Snap to Grid Points • Spacebar Engage the Selector or Exit Tool • Esc Cancel the current procedure • Delete Erase the selection • Tab Enter the Inspector Bar Fields • F5 Refresh the screen The above is by no means all the SEKE keys or SNAP modes but are a number of very useful ones that you will find beneficial.	To use Alt Key Codes: • Insure the Num Lock key on the Number Pad is ON. • Press and hold the Alt key down whilst entering the code number using the keypad on the right hand side of the keyboard. • Release the Alt key. • The result is the desired character or symbol. Some fonts may react differently <table><tr><th>Signs</th><th>Alt Key Code</th></tr><tr><td>¢ Cent</td><td>0162</td></tr><tr><td>£ Pound</td><td>0163</td></tr><tr><td>© Copyright</td><td>0169</td></tr><tr><td>« Left-pointing double angle</td><td>0171</td></tr><tr><td>» Right-pointing double angle</td><td>0187</td></tr><tr><td>® Registered</td><td>0174</td></tr><tr><td>° Degree</td><td>0176</td></tr><tr><td>± Plus Minus</td><td>0177</td></tr><tr><td>¹ Superscript One</td><td>0185</td></tr><tr><td>² Superscript Two</td><td>0178</td></tr><tr><td>³ Superscript Three</td><td>0179</td></tr><tr><td>´ Acute Accent</td><td>0180</td></tr><tr><td>· Middle dot</td><td>0183</td></tr><tr><td>¼ One quarter</td><td>0188</td></tr><tr><td>½ One half</td><td>0189</td></tr><tr><td>¾ Three quarters</td><td>0190</td></tr><tr><td>× Multiplication</td><td>0215</td></tr><tr><td>÷ Division sign</td><td>0247</td></tr><tr><td>– En Dash</td><td>0150</td></tr><tr><td>— Em Dash</td><td>0151</td></tr><tr><td>† Dagger</td><td>0134</td></tr><tr><td>‡ Double dagger</td><td>0135</td></tr><tr><td>• Bullet</td><td>0149</td></tr><tr><td>∅ Diameter sign</td><td>0248</td></tr></table>	Signs	Alt Key Code	¢ Cent	0162	£ Pound	0163	© Copyright	0169	« Left-pointing double angle	0171	» Right-pointing double angle	0187	® Registered	0174	° Degree	0176	± Plus Minus	0177	¹ Superscript One	0185	² Superscript Two	0178	³ Superscript Three	0179	´ Acute Accent	0180	· Middle dot	0183	¼ One quarter	0188	½ One half	0189	¾ Three quarters	0190	× Multiplication	0215	÷ Division sign	0247	– En Dash	0150	— Em Dash	0151	† Dagger	0134	‡ Double dagger	0135	• Bullet	0149	∅ Diameter sign	0248	• Shift + Tab Enter status bar Coordinates • Ctrl + A Select the entire drawing • Ctrl + C Copy the selection • Ctrl + V Paste from Clipboard contents • Ctrl + X Cut • Ctrl + Z Undo the last action • Ctrl + Y Redo the previously undone action • Ctrl + K Select entities by Colour • Ctrl + L Select entities by Layer • Ctrl + T Select entities by Type • Ctrl + P Print • Shift + Left Rotate camera left • Shift + Right Rotate camera right • Shift + Page Up Bring entity(s) to front • Shift + Alt + E Explode • Shift + Alt + W Place selection on current work plane • Ctrl + Shift + W View by current work plane • Ctrl + Shift + B Blocks The above is by no means all of the DEKE or TEKE keys but are a number of useful ones that you will find beneficial.
Signs	Alt Key Code																																																			
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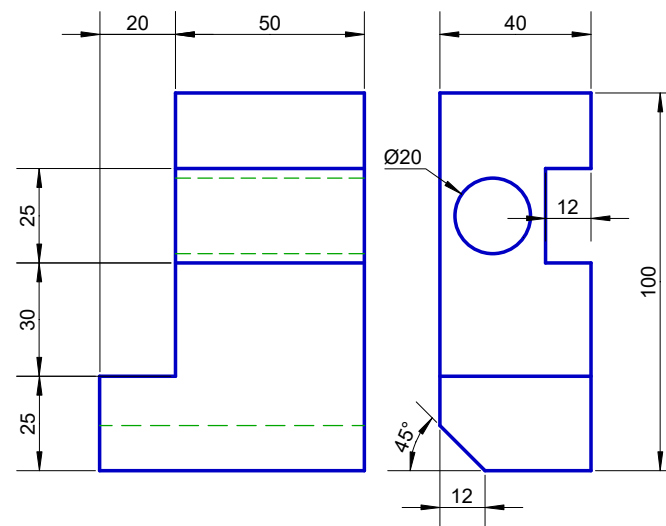
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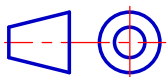
B



C



D



EXERCISE 1

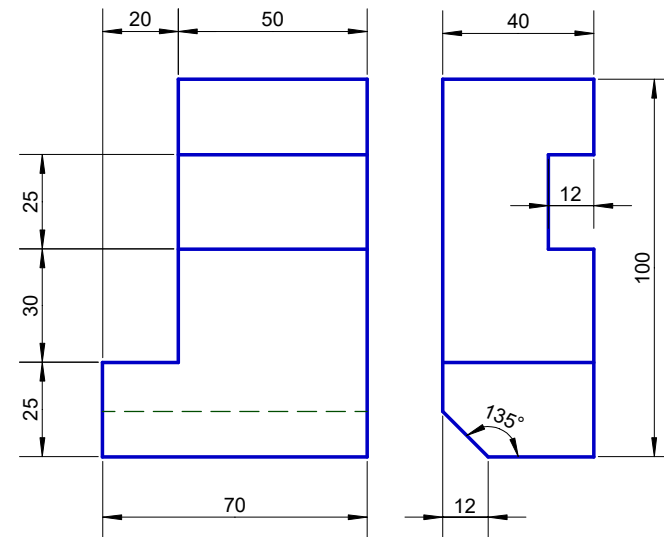
NOT TO SCALE

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Technical drawing of a mechanical part showing front and side views with dimensions.

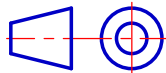
Front View (Left):

- Overall width: 80
- Overall height: 90
- Base thickness: 20
- Inner square hole: 30 x 30
- Circle: $\varnothing 70$

Side View (Right):

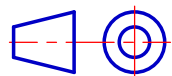
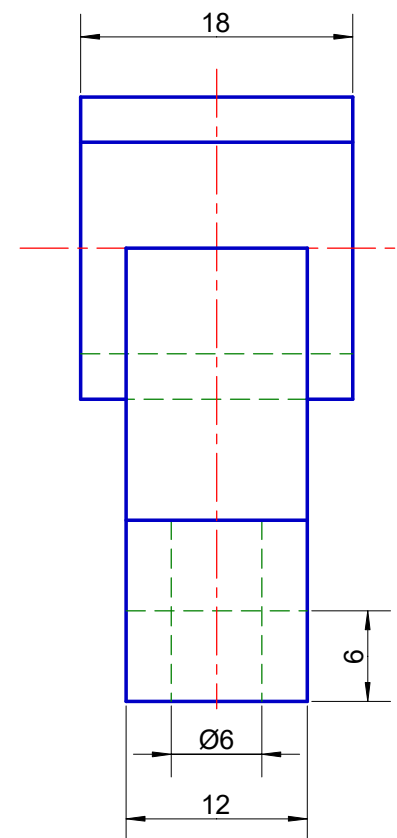
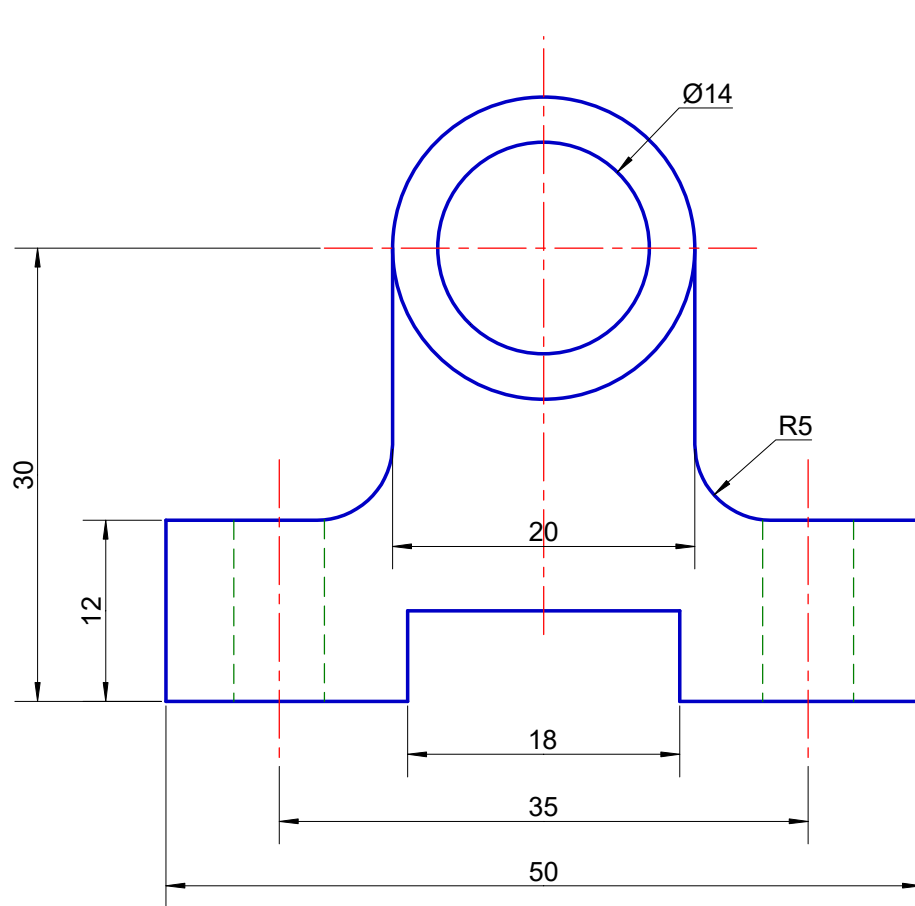
- Overall width: 85
- Base thickness: 20
- Top section width: 30
- Top section height: 20
- Bottom section width: 25

EXERCISE 2



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EXERCISE 4

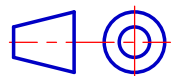
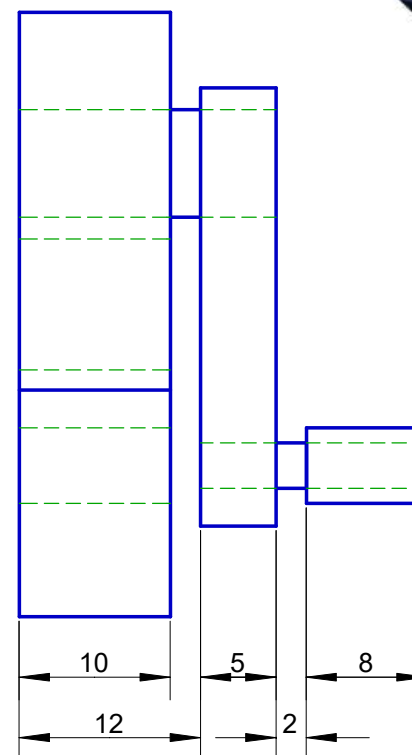
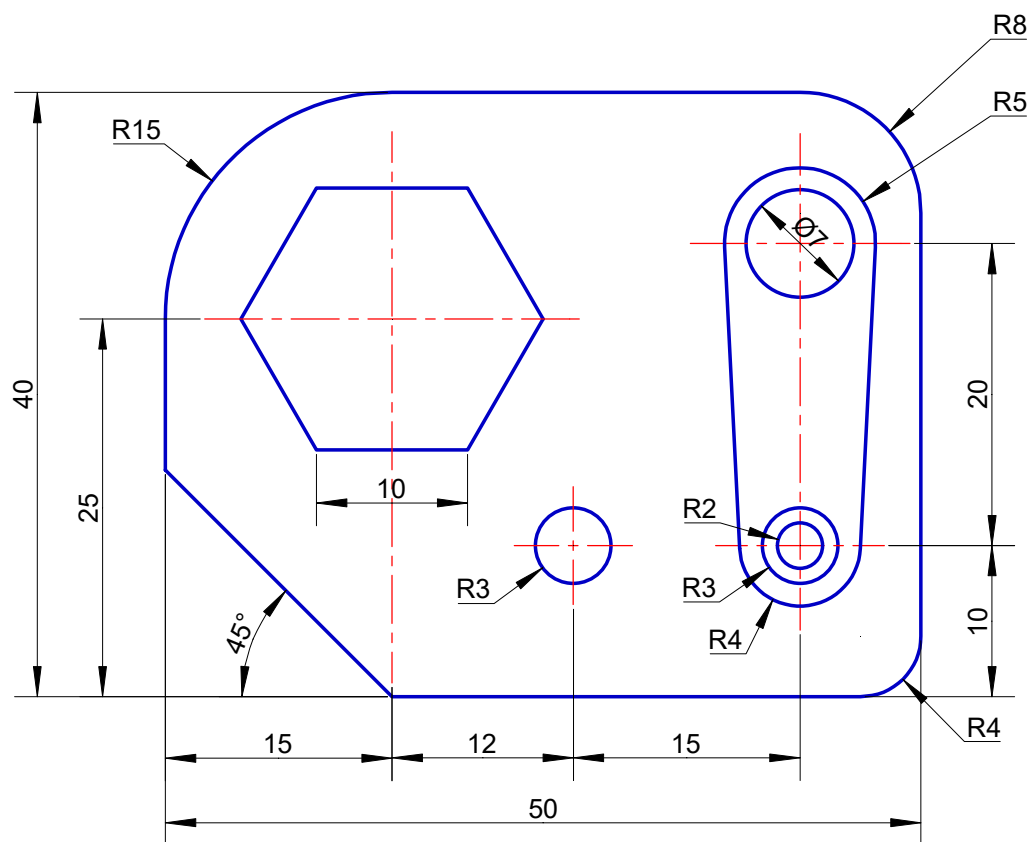
SCALE 2:1

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EXERCISE 5

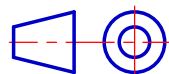
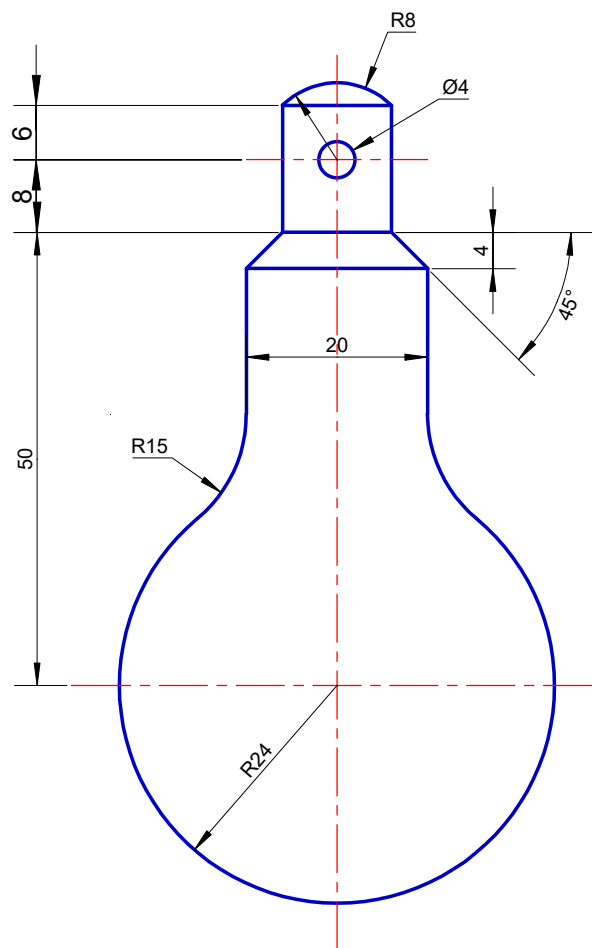
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EXERCISE 6

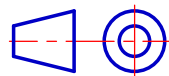
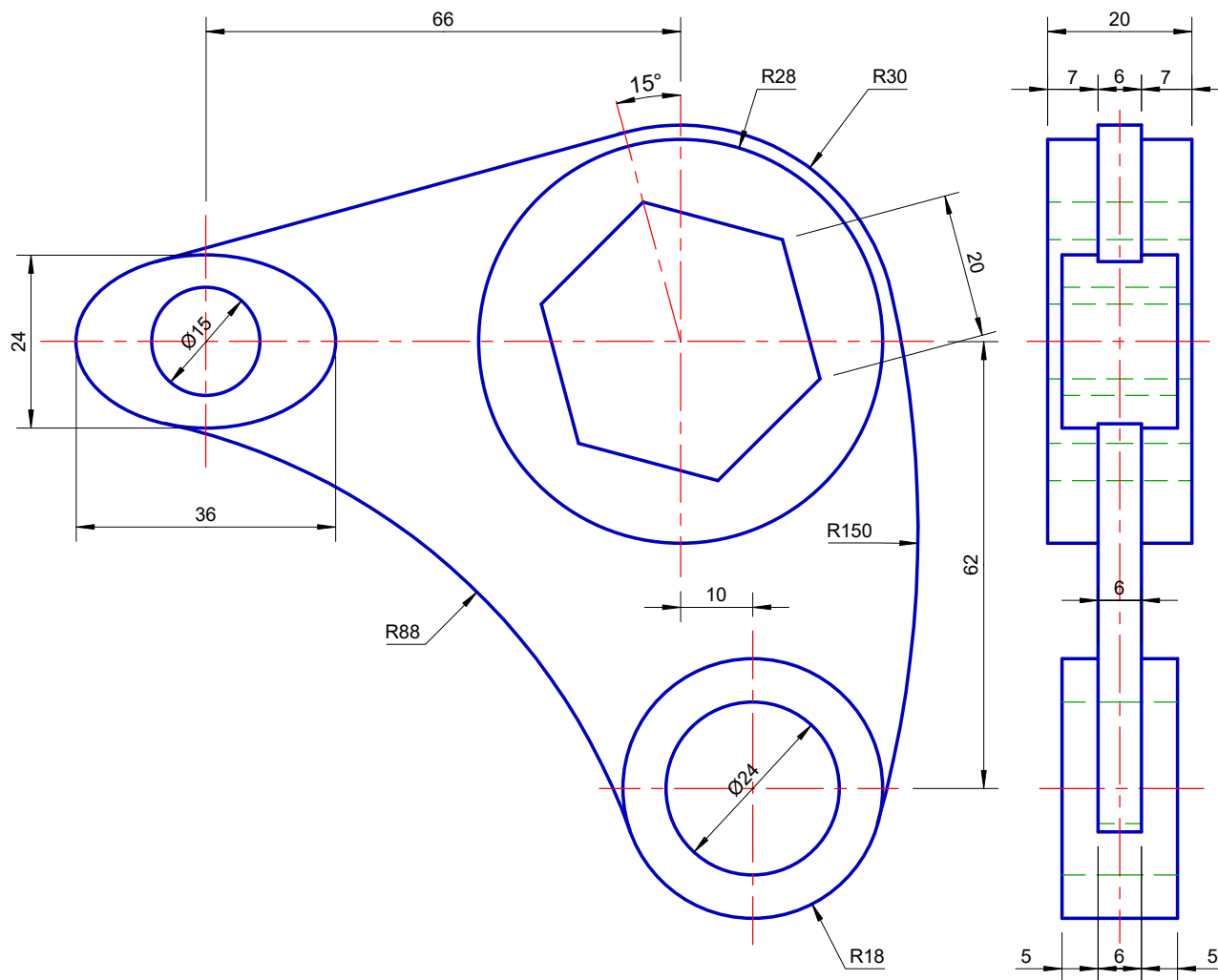
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EXERCISE 7

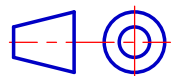
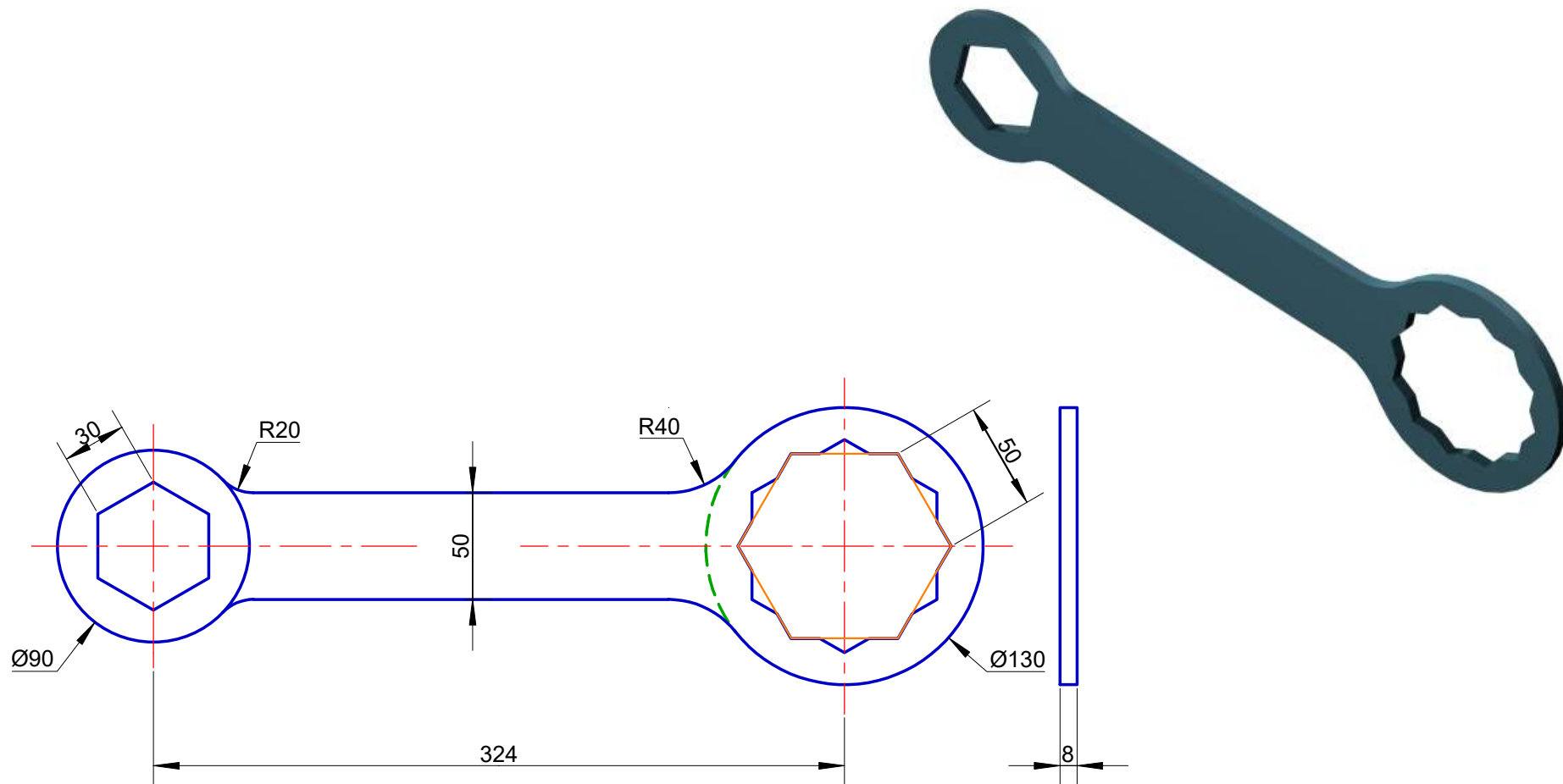
SCALE 1:1

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EXERCISE 8

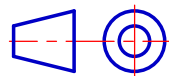
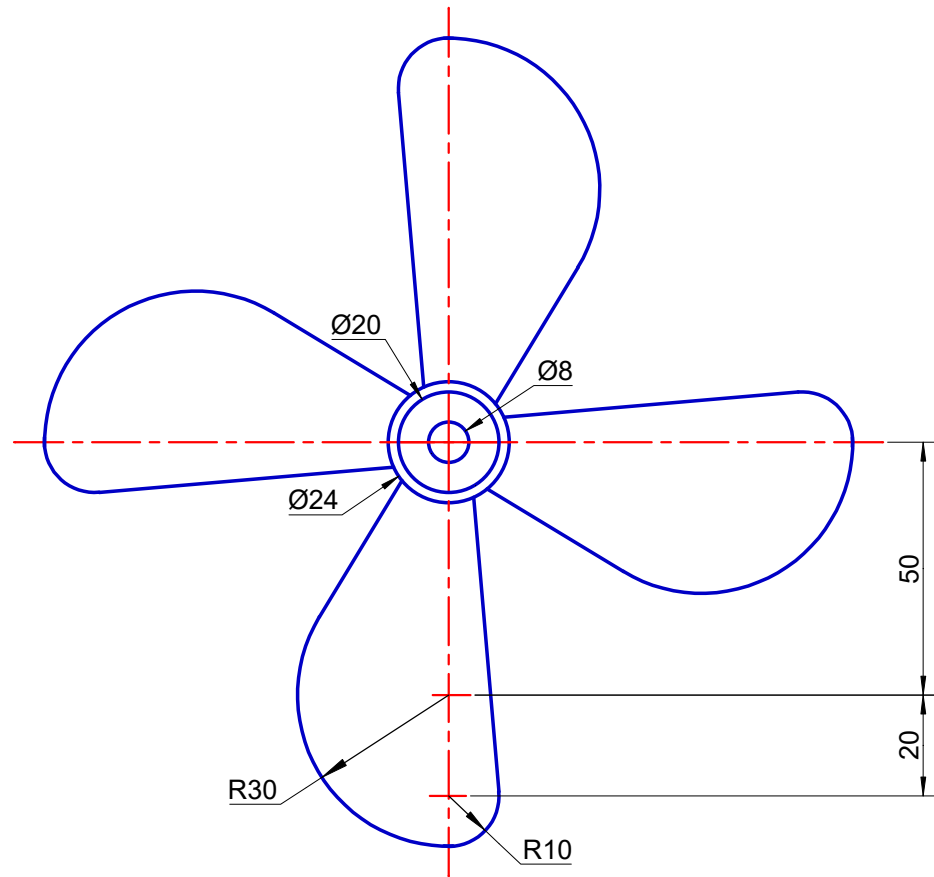
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EXERCISE 9

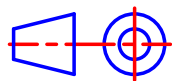
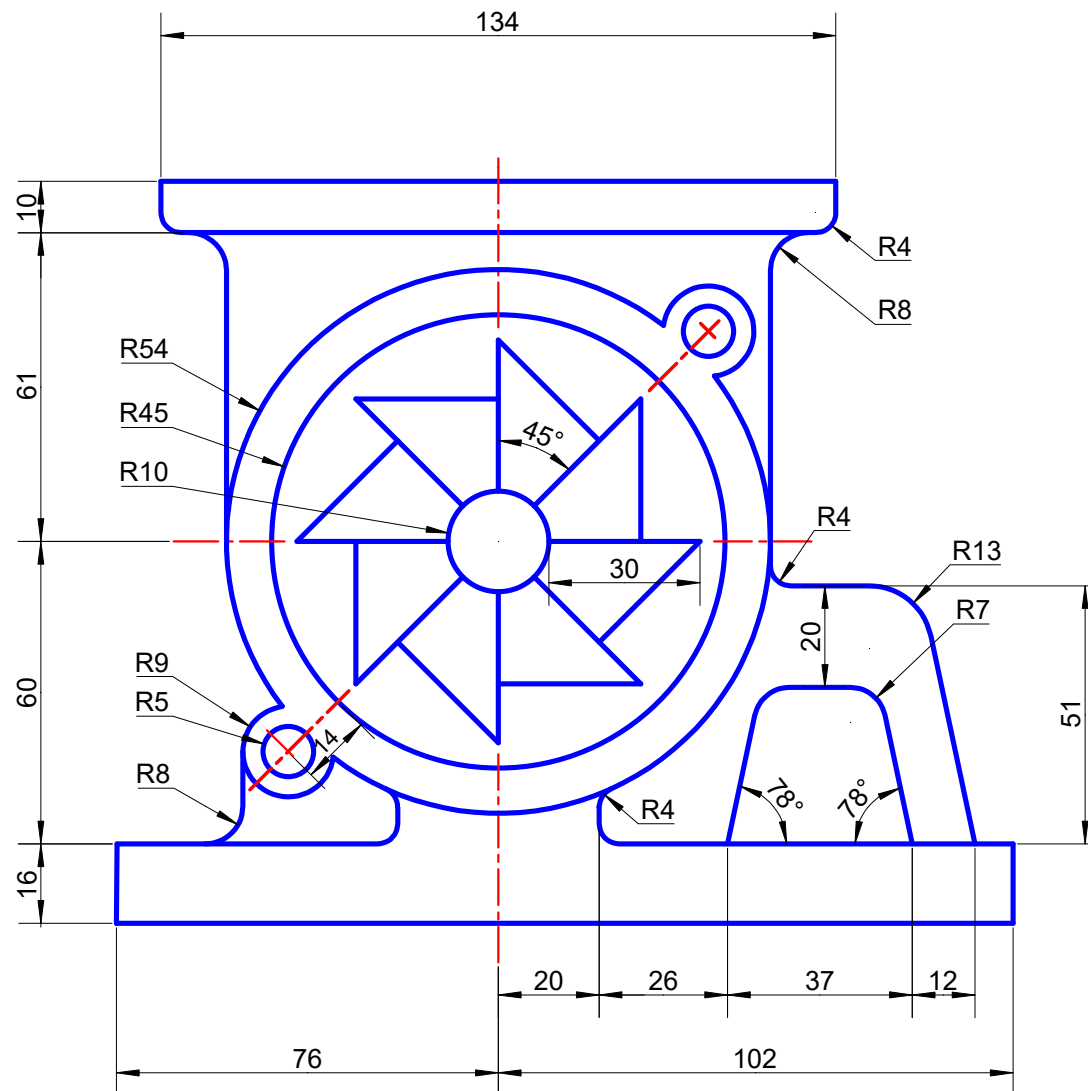
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EXERCISE 10

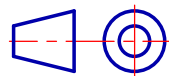
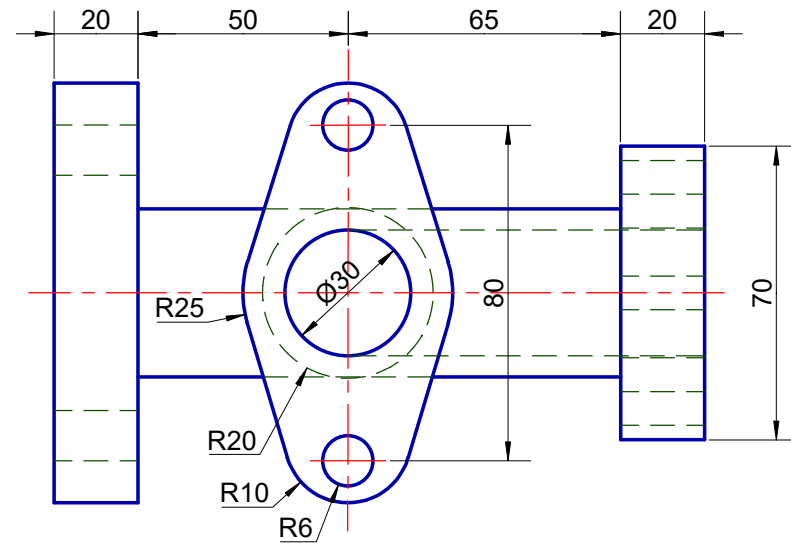
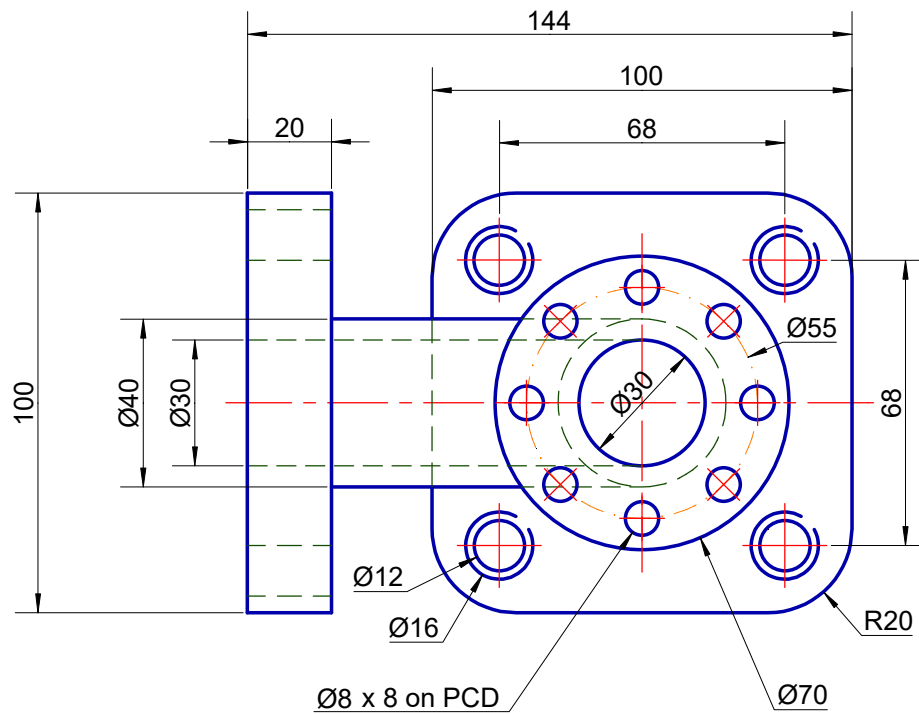
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EXERCISE 11

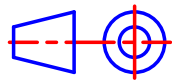
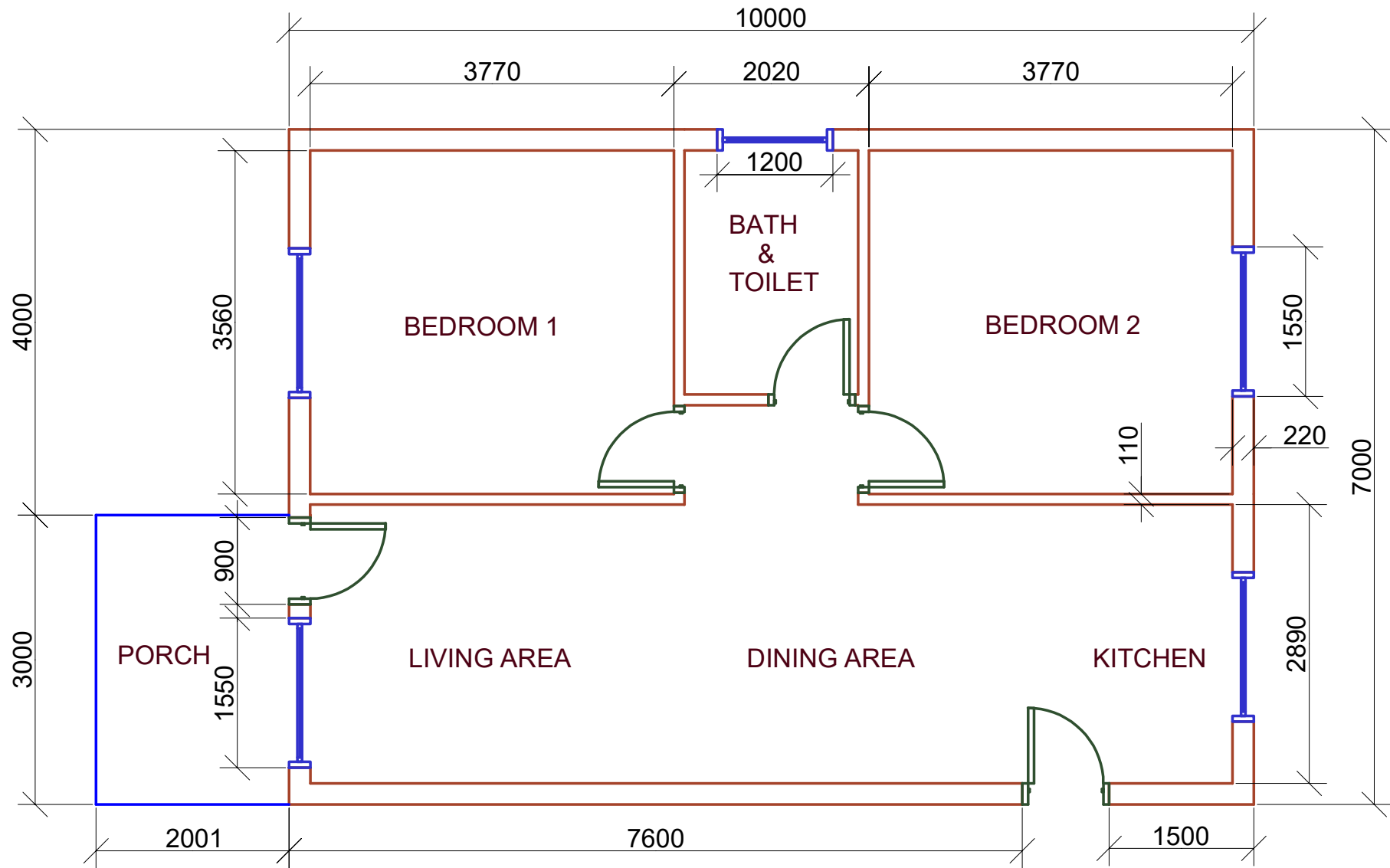
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