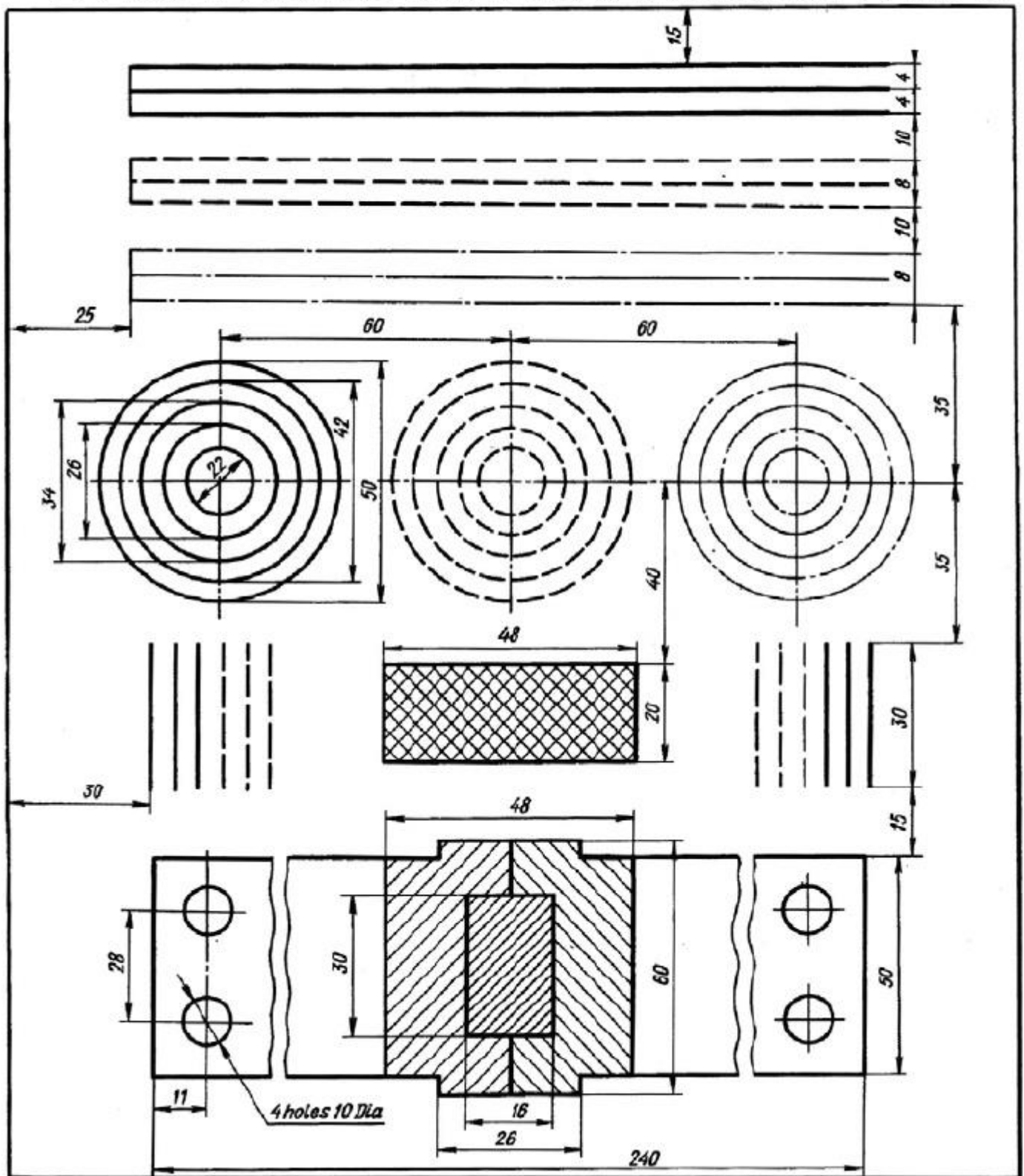
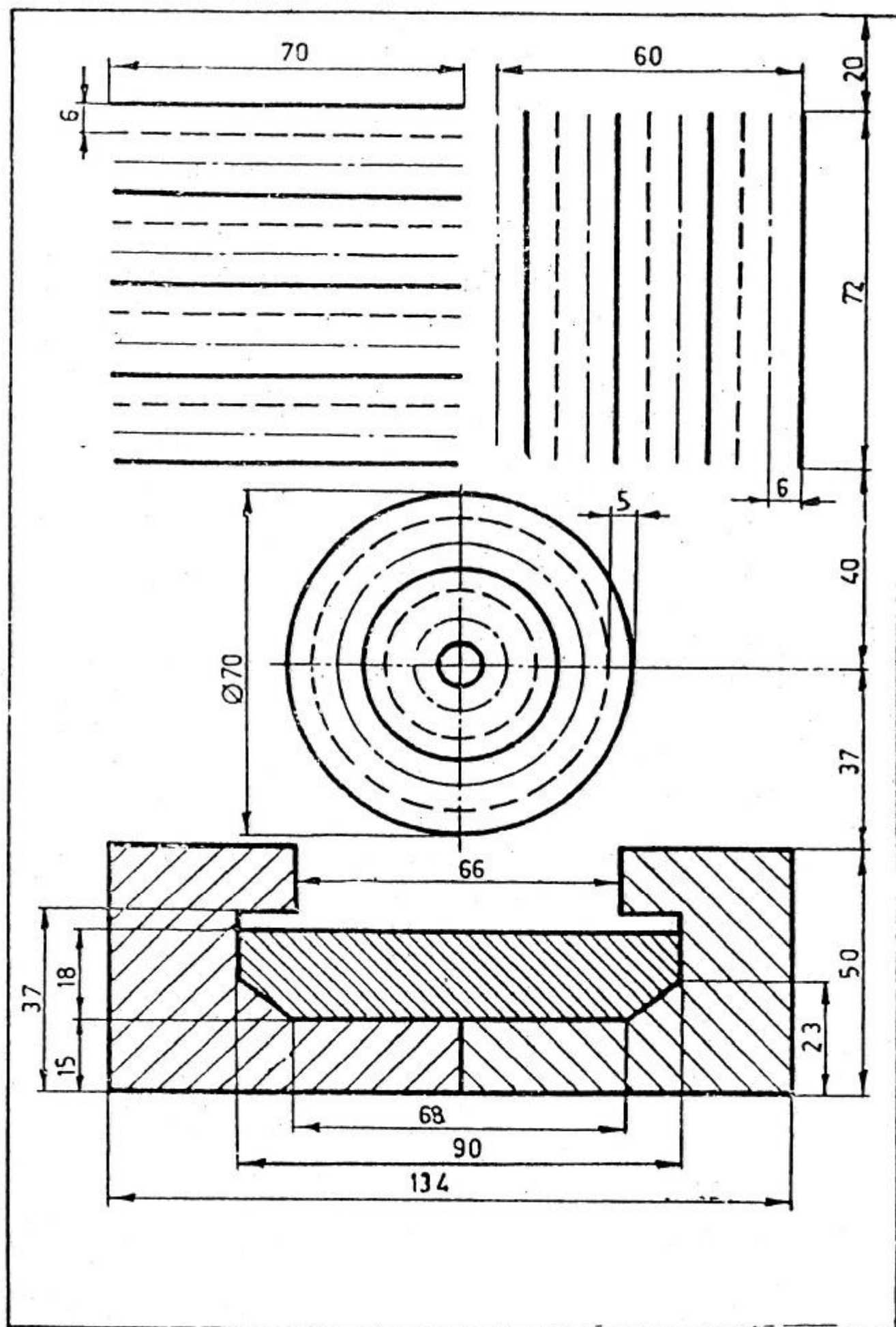


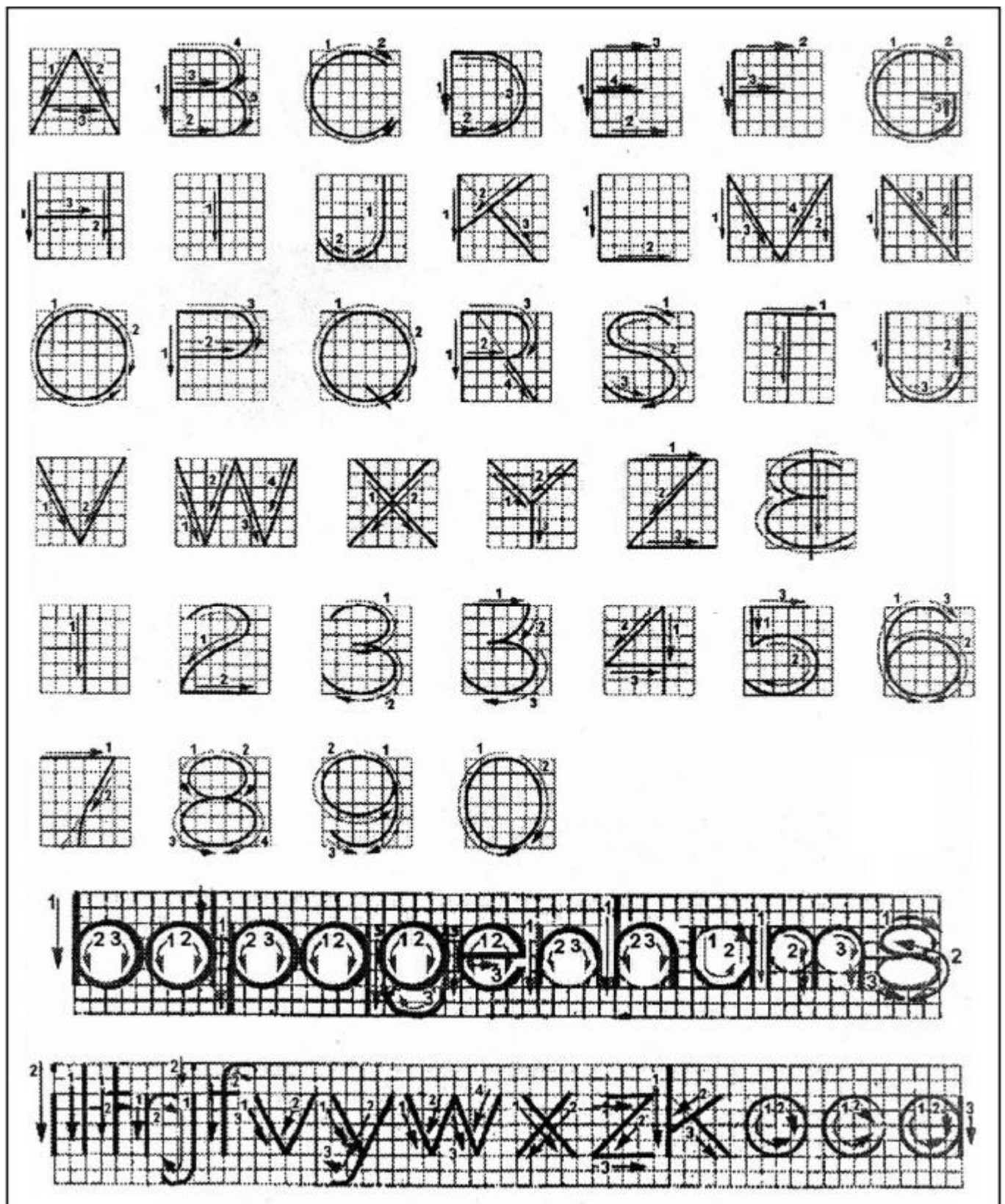
ENGINEERING DRAWING FUNDAMENTALS

1 ENGINEERING DRAWING FUNDAMENTALS





Vertical uppercase and lowercase single-stroke Alphabet letters and numerals.



A B C D E F G H I J K L M N O

P Q R S T U V W X Y Z &

a b c d e f g h i j k l m n o p q r

s t u v w x y z a ž ů o

1 2 3 4 5 6 7 8 9 0 % < > =

Greek alphabet

Α α Β β Γ γ Δ δ Ε ε Ζ ζ Η η

alpha beta gamma delta epsilon zeta eta

Θ θ Ι ι Κ κ Λ λ Μ μ Ν ν Ξ ξ

theta iota kappa lambda mu nu xi

Ο ο Π π Ρ ρ Σ σ Τ τ Υ υ Φ φ

omicron pi rho sigma tau upsilon phi

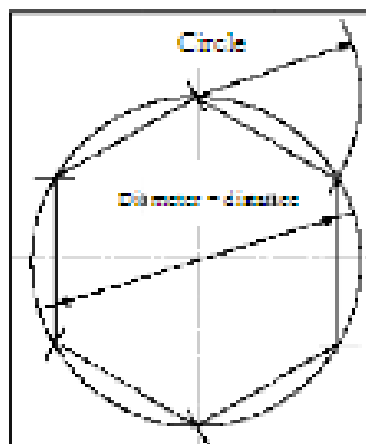
Χ χ Ψ ψ Ω ω

chi psi omega

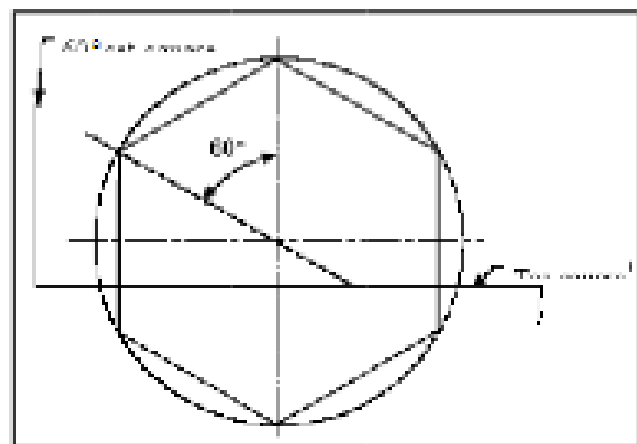
= + - ± × ÷ √ < > % °

∞ ∼ ∴ ∅ □ ∅

2√7 α² max

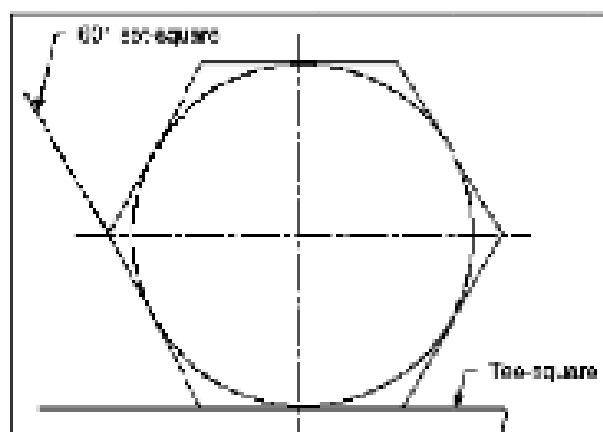


(a)

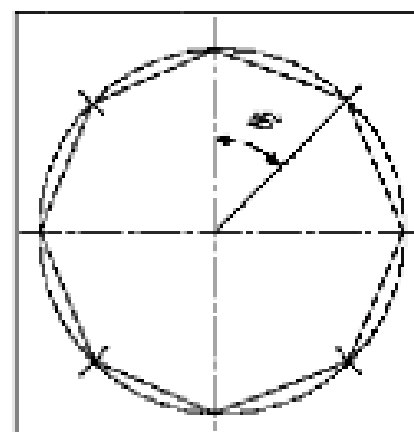


(b)

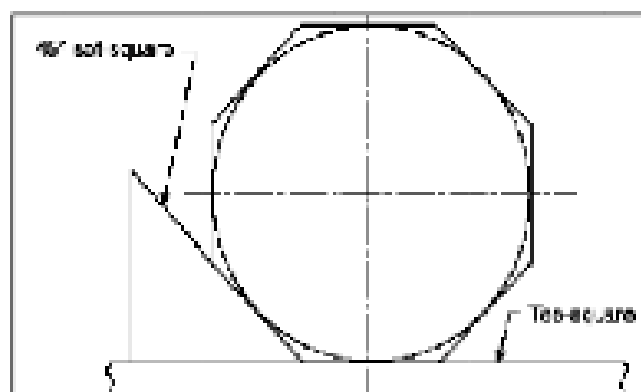
Drawing a hexagon, given the distance across the corners.



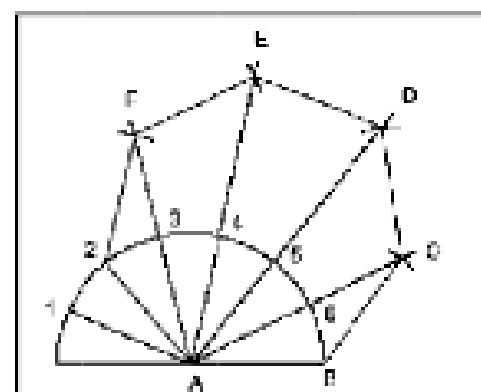
(c) *Drawing a hexagon, given the distance across the flats.*



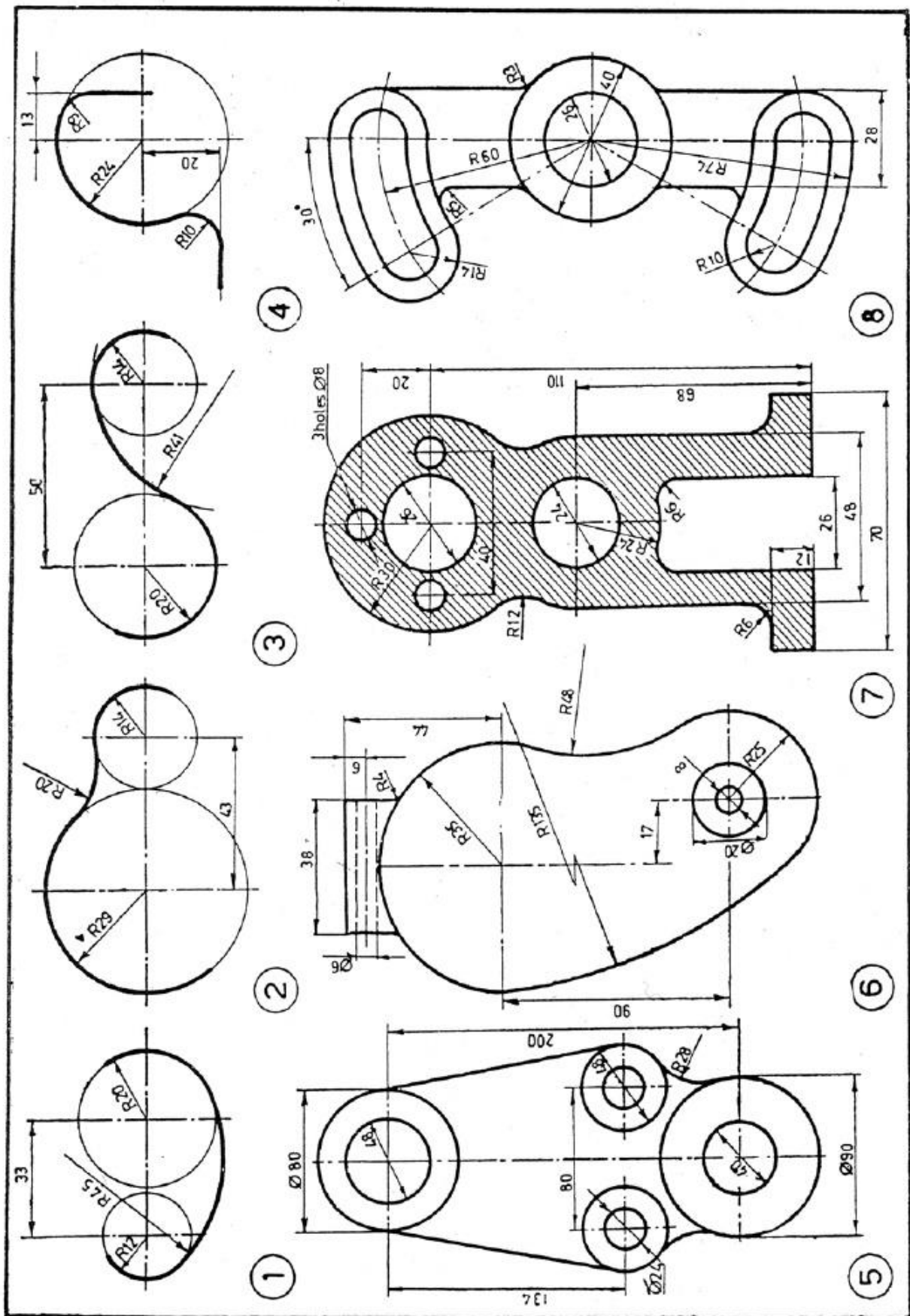
(d) *Drawing a regular octagon, given the distance across corners.*

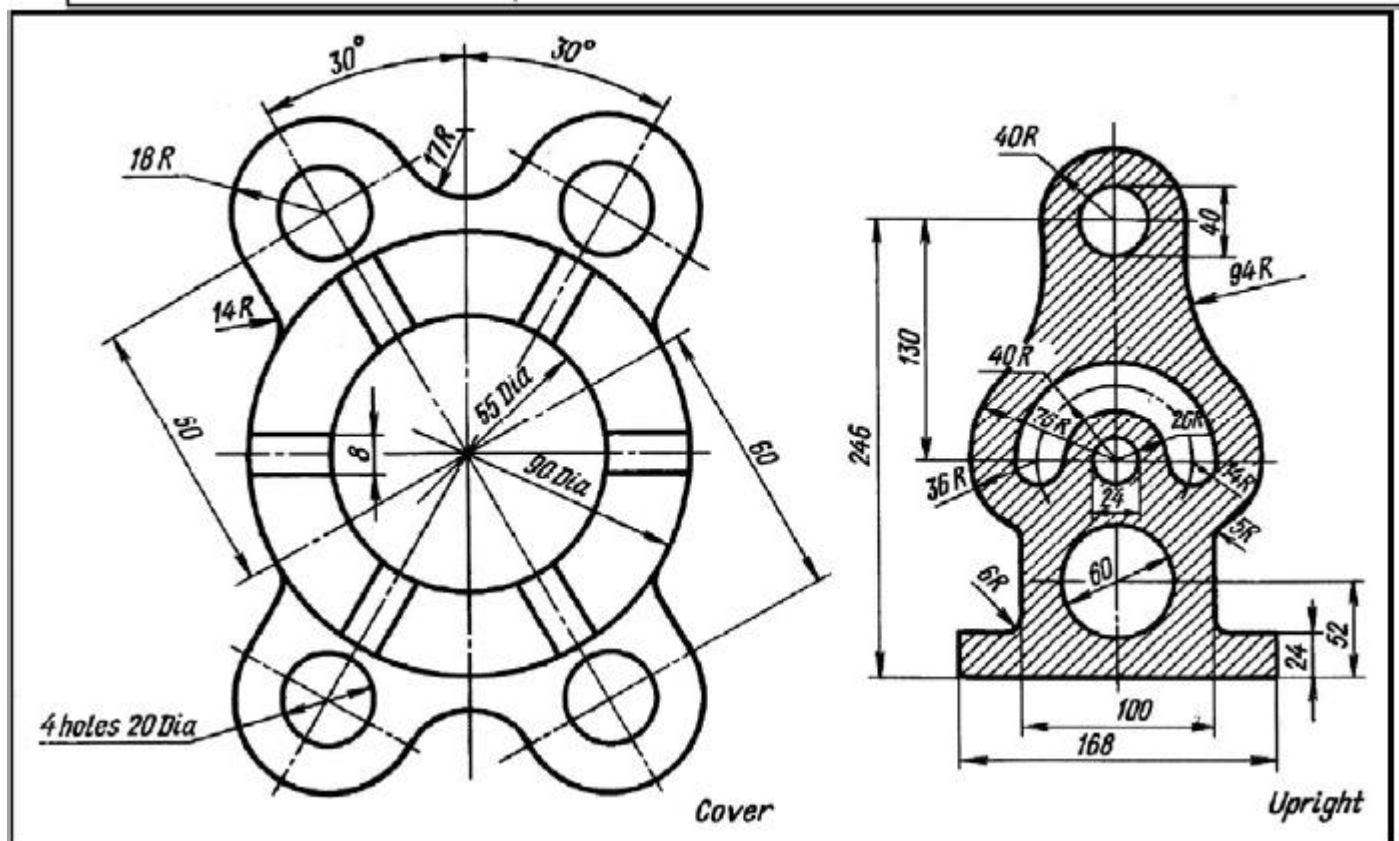
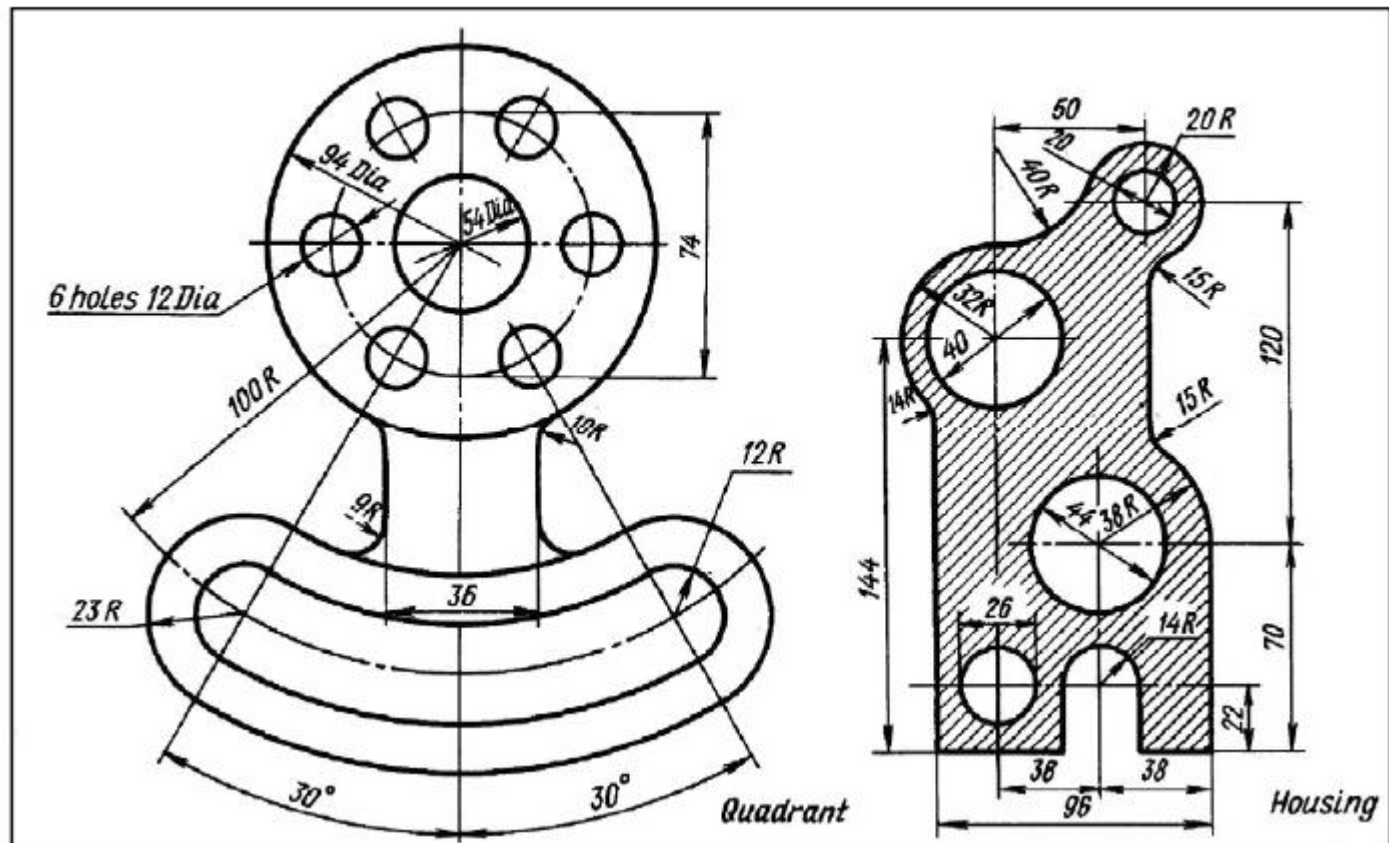


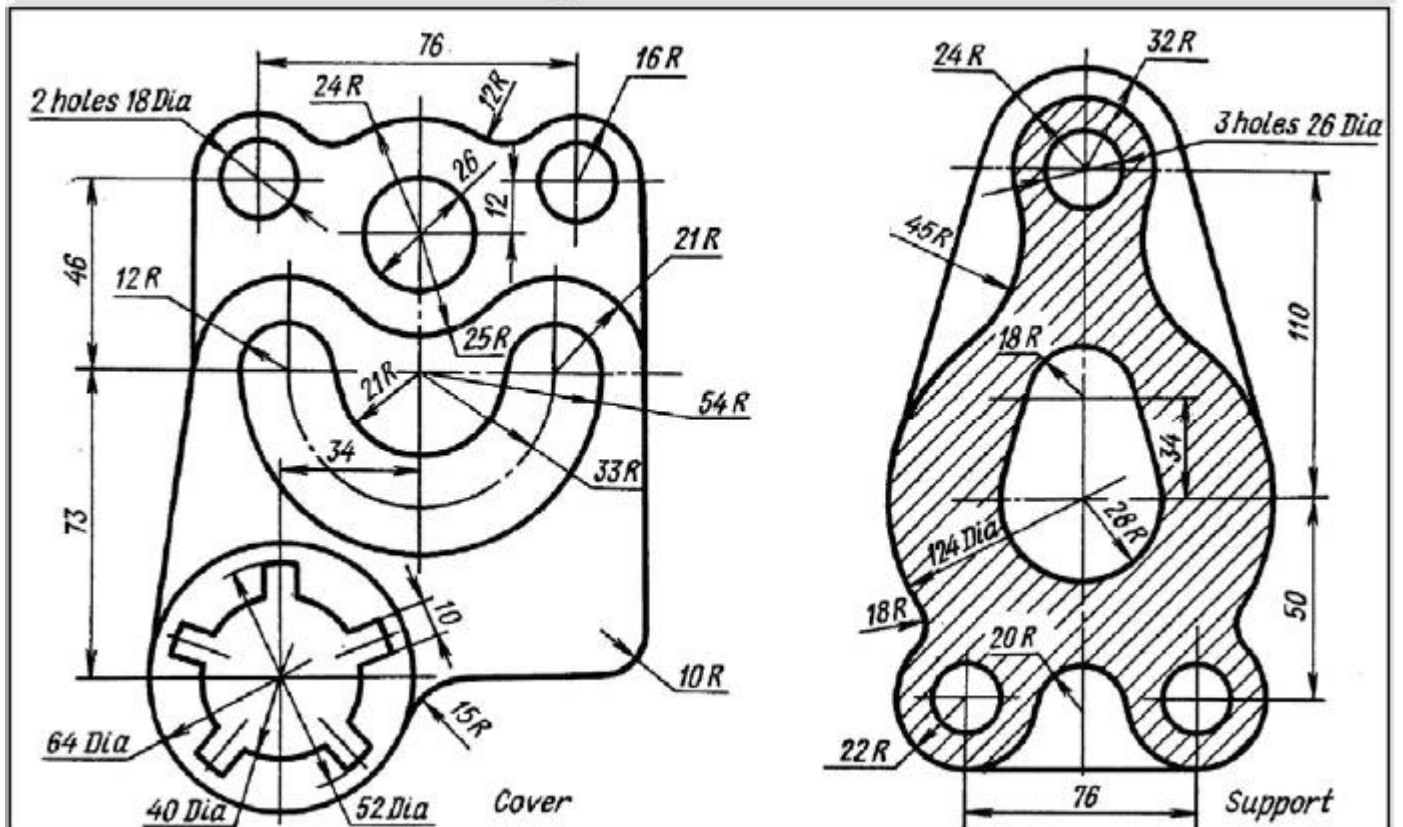
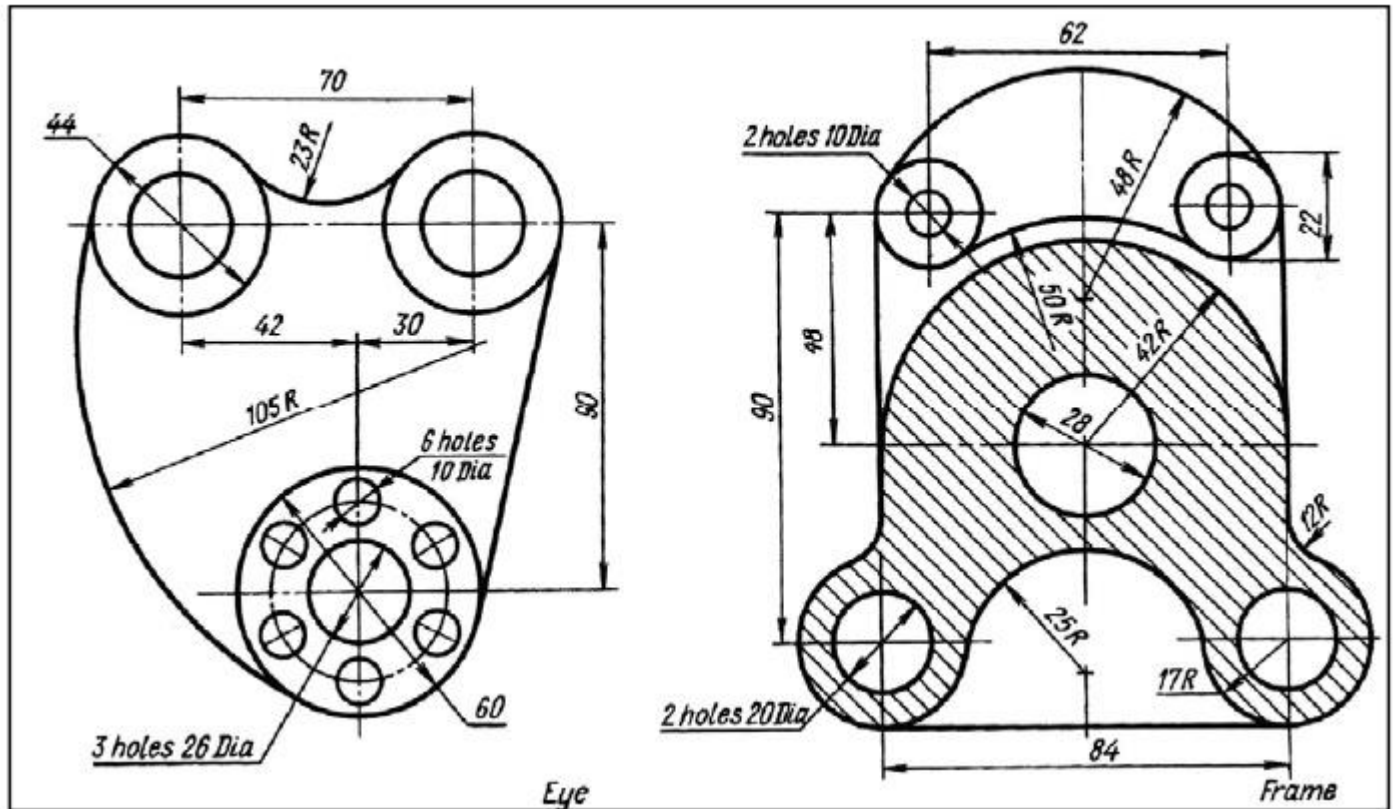
(e) *Drawing a regular octagon, given the distance across the flats.*



(f) *Drawing a regular polygon, given the length of the sides.*

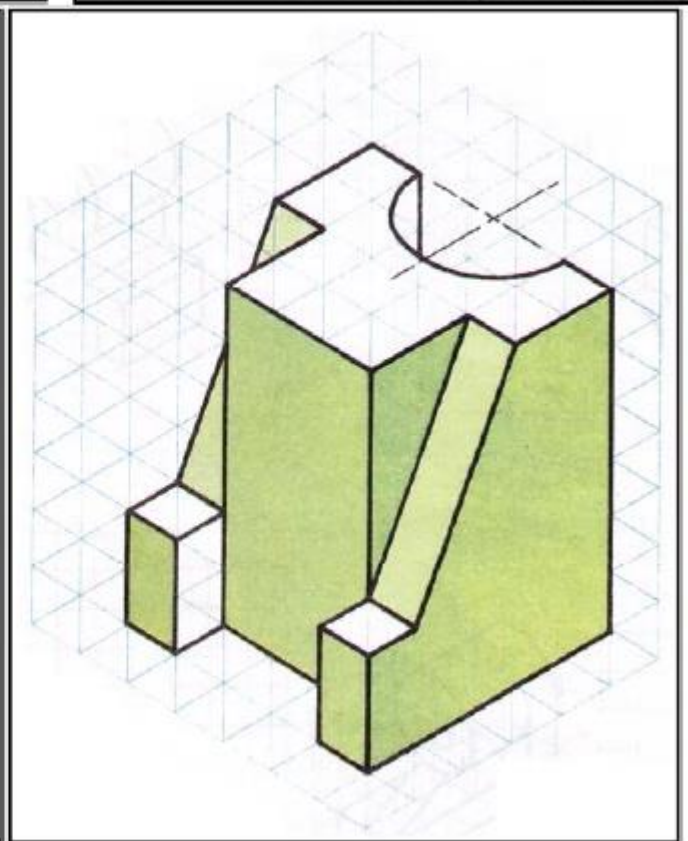
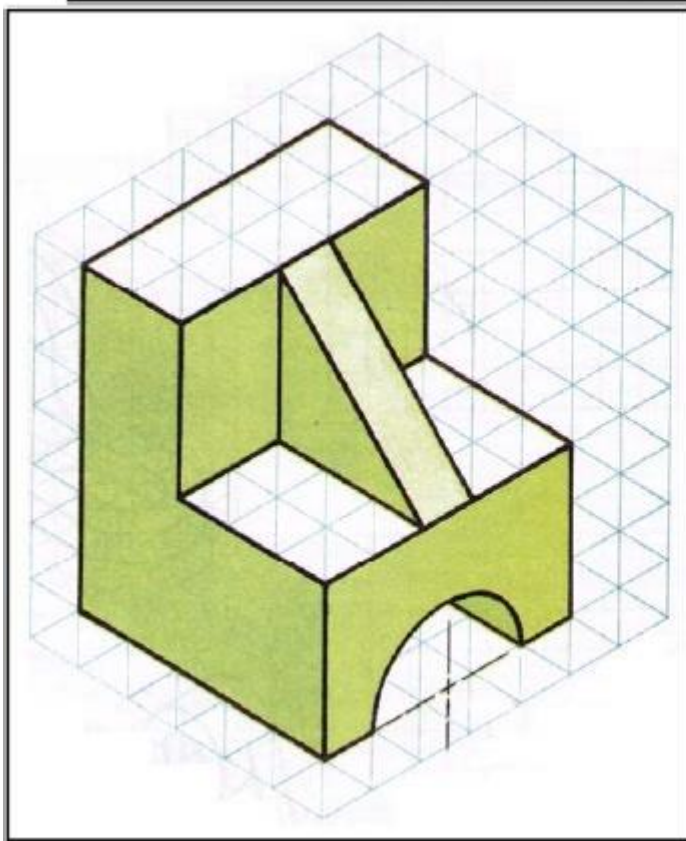
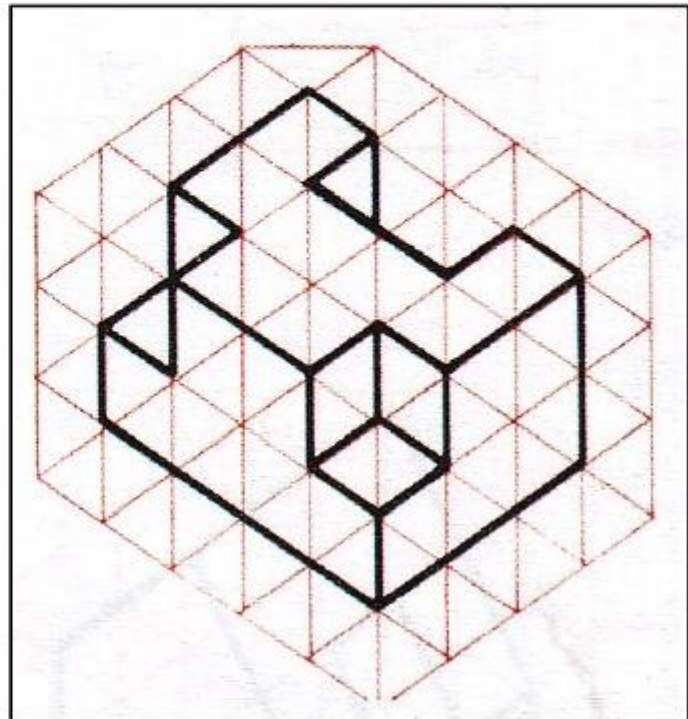
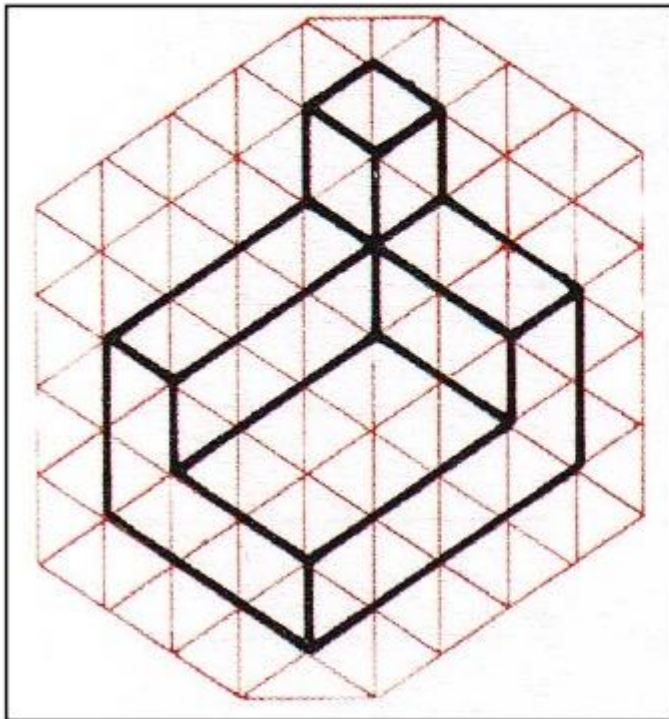


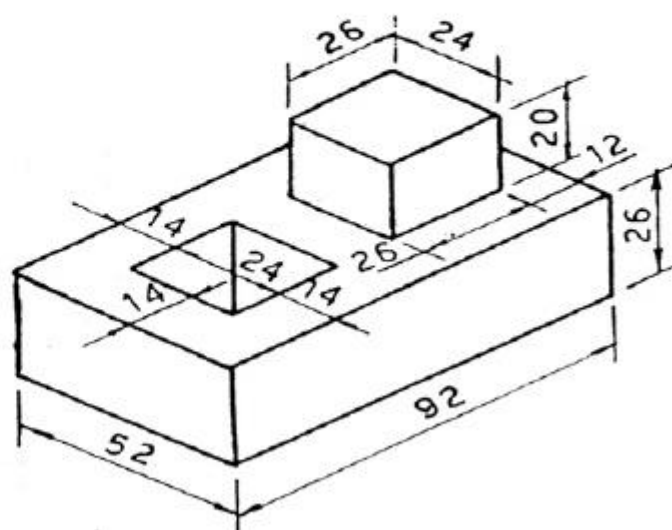
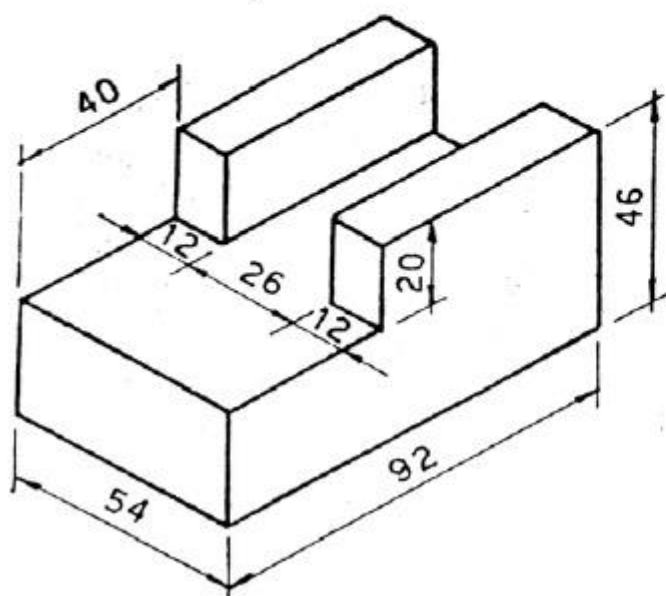
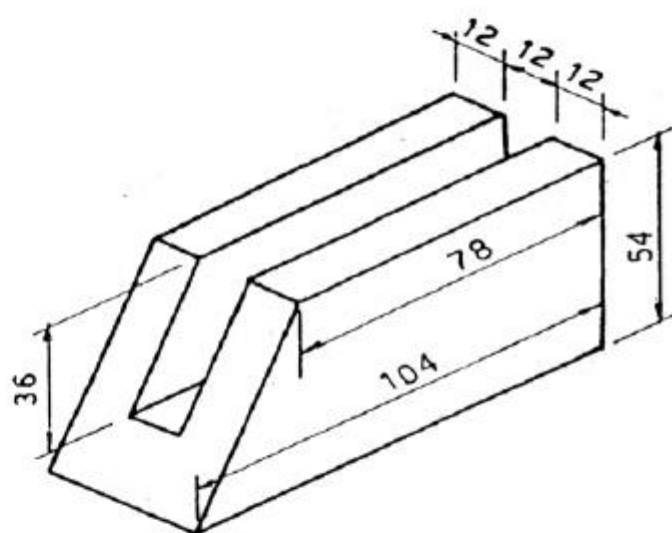
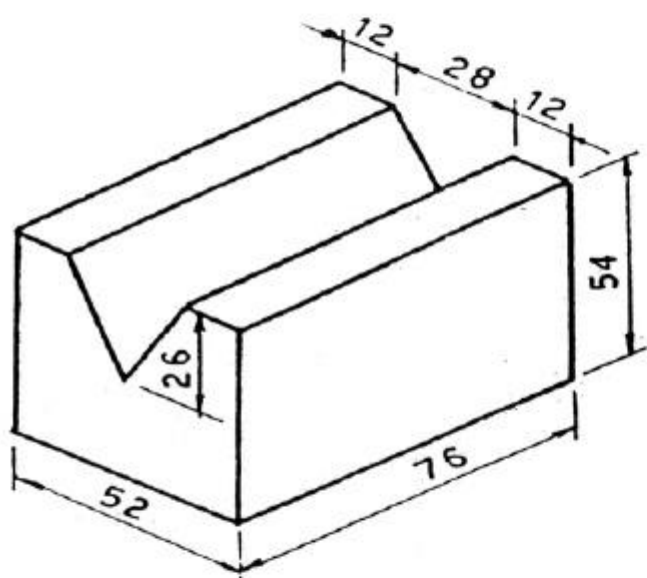
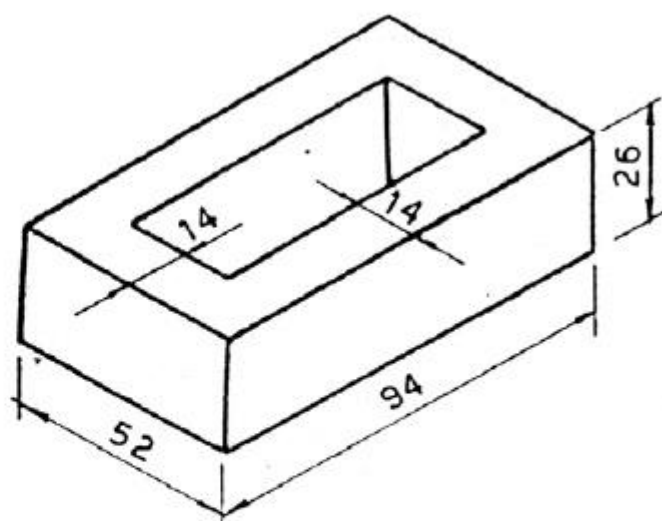
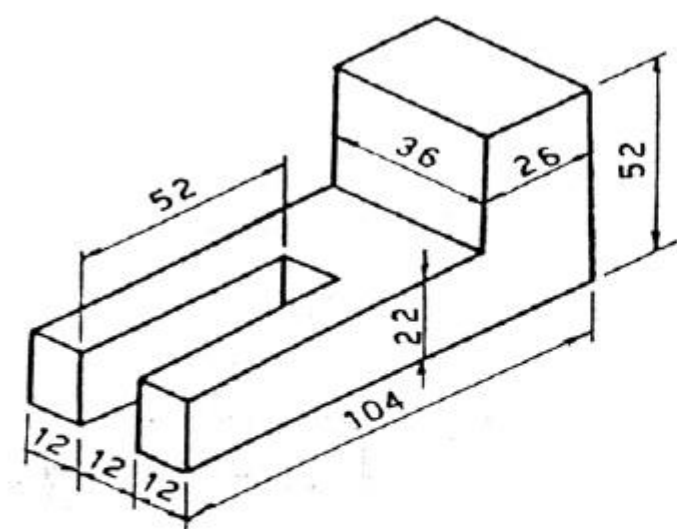


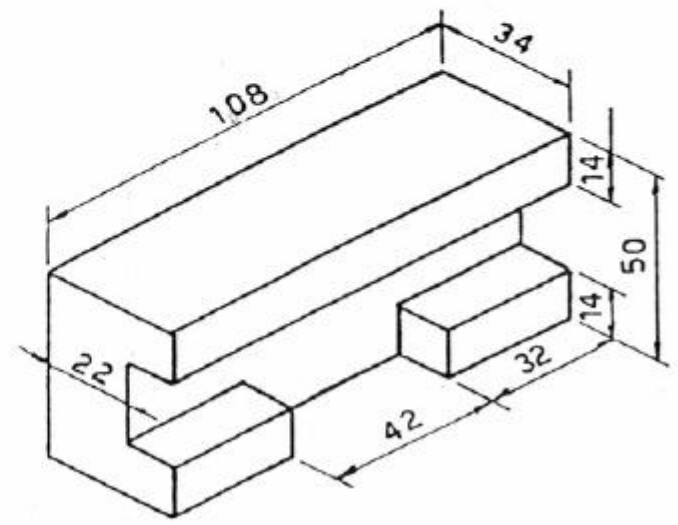
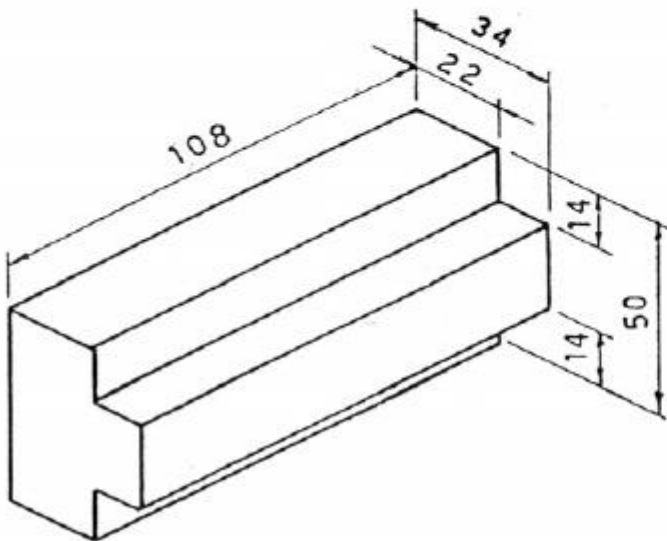
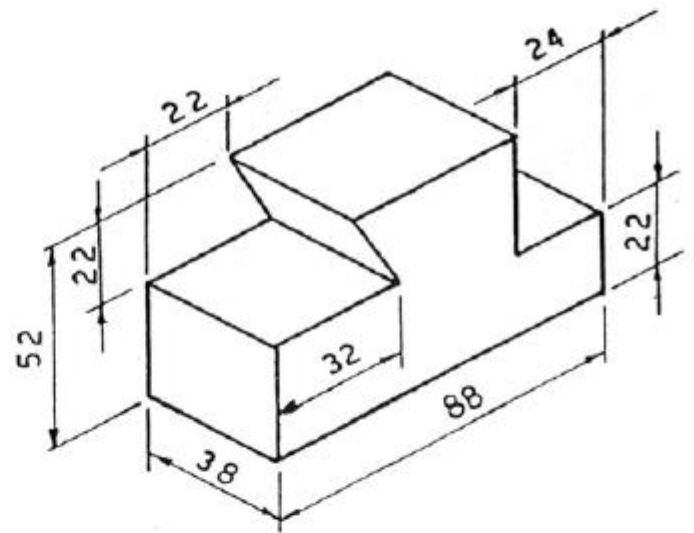
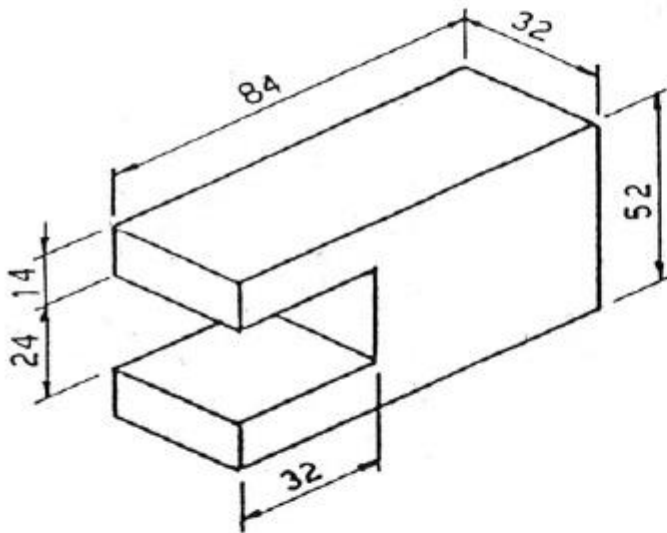
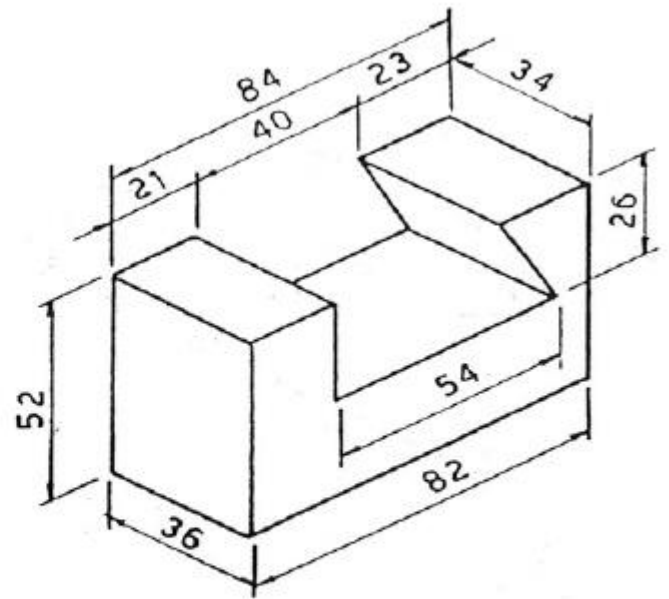
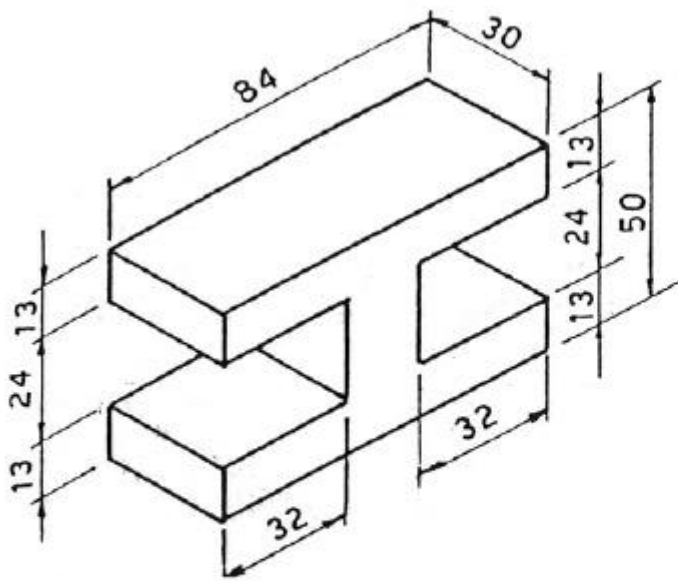


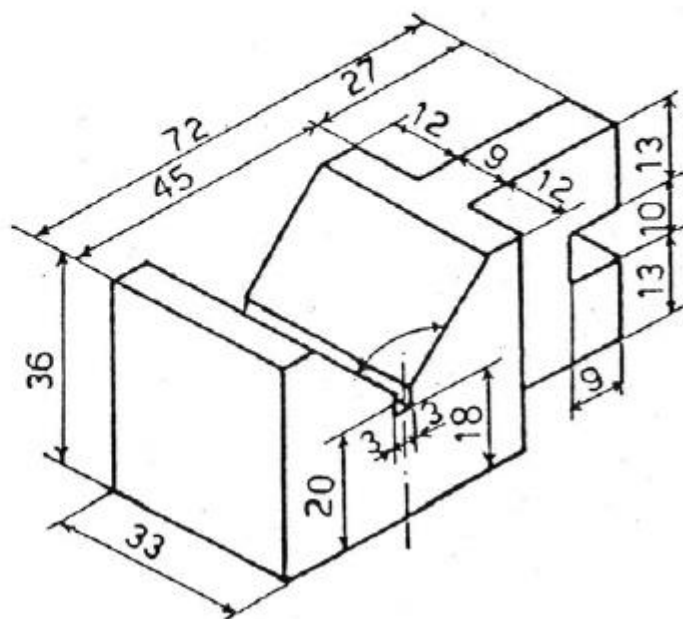
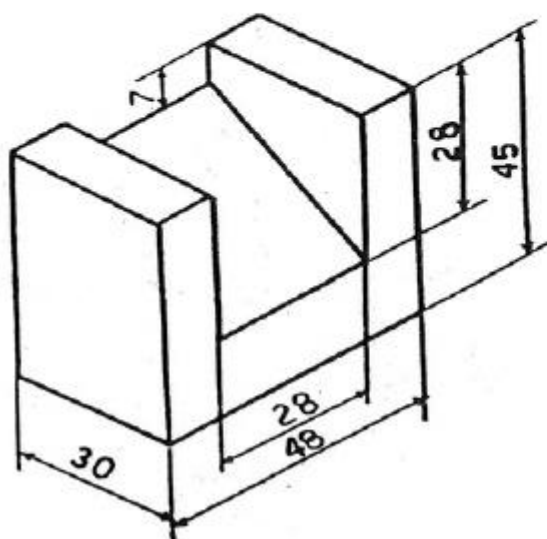
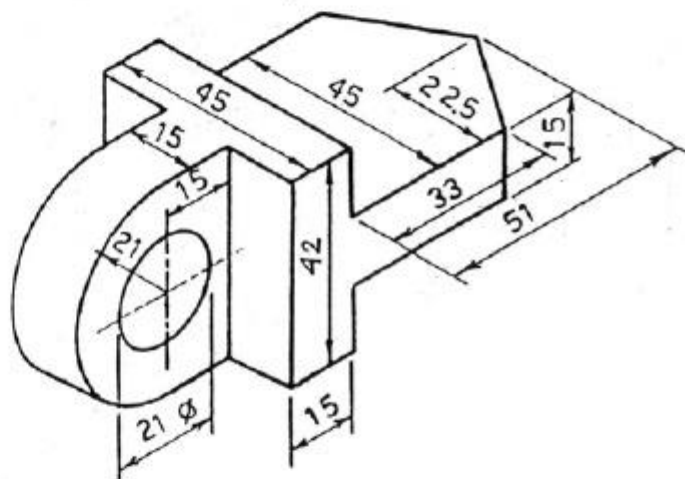
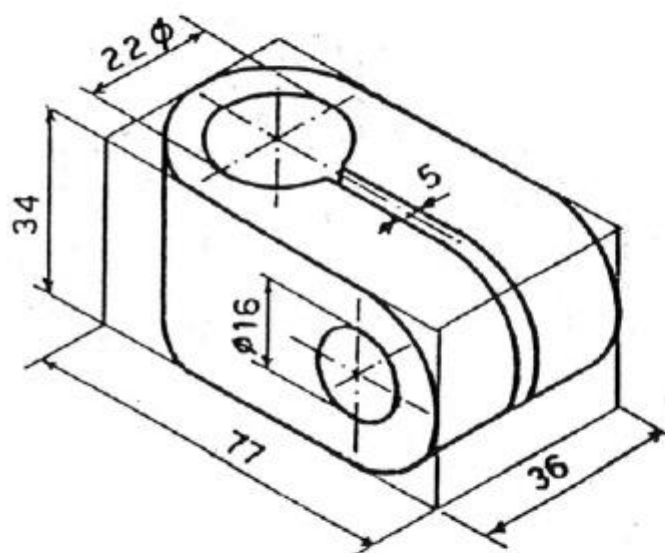
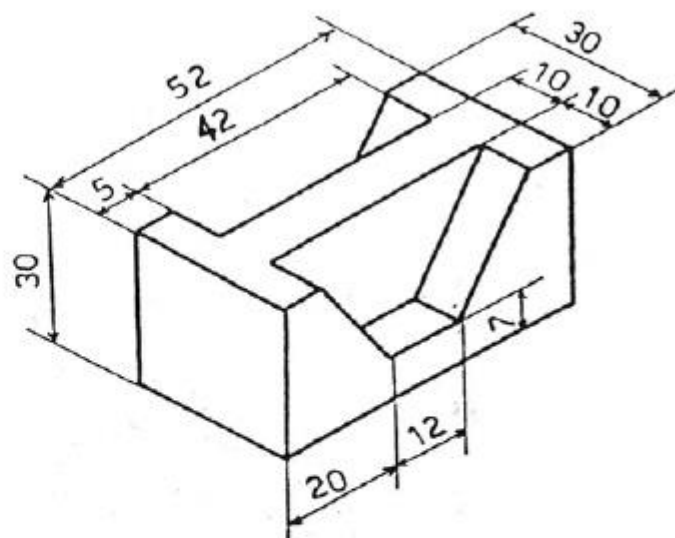
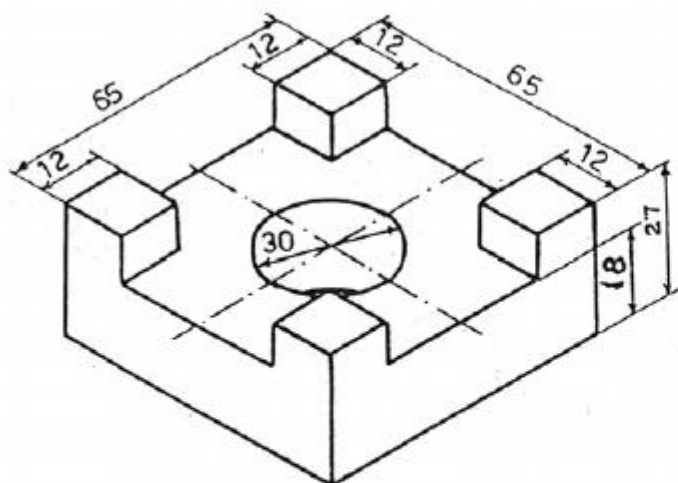
ORTHOGRAPHIC PROJECTION

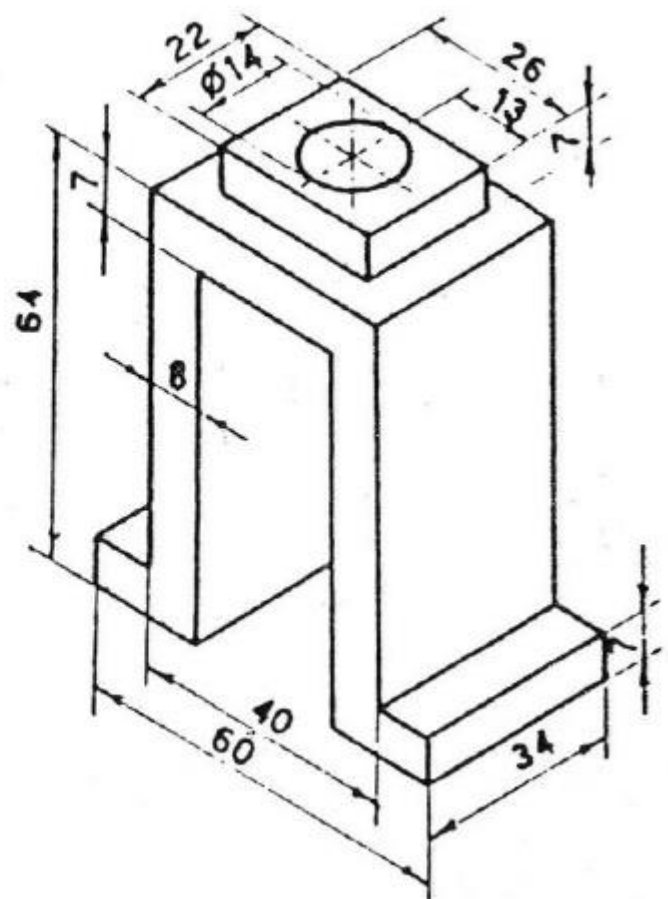
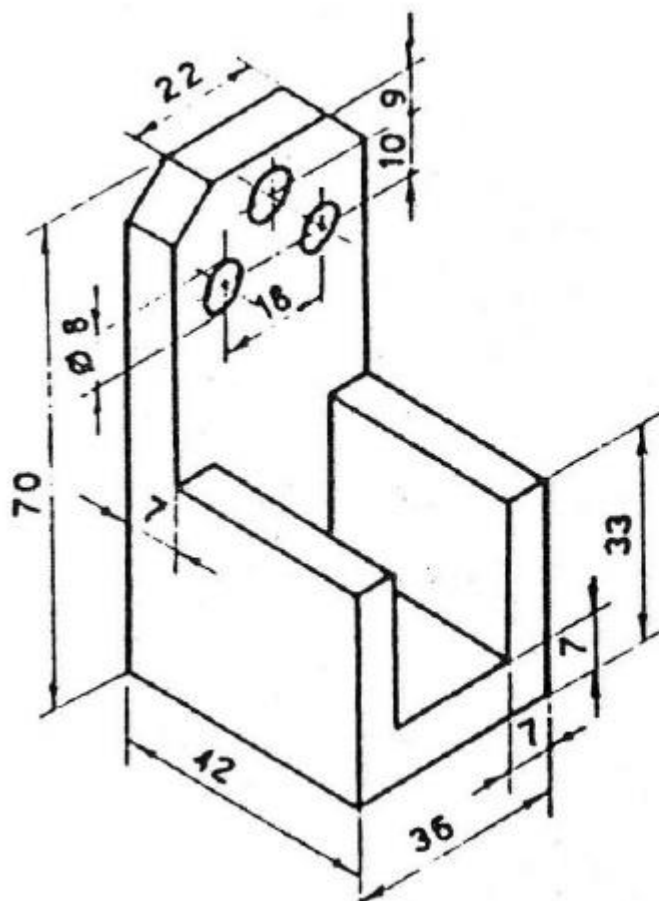
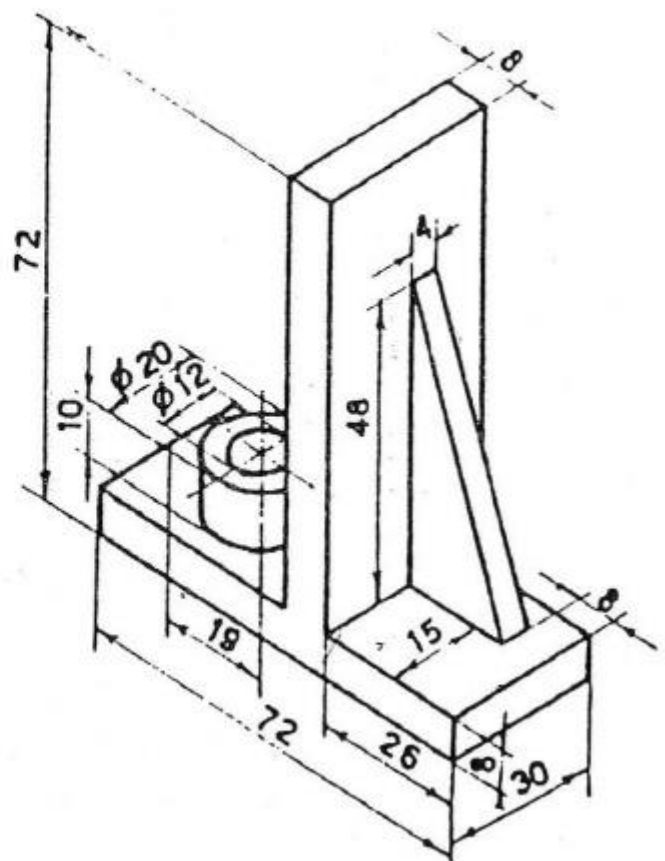
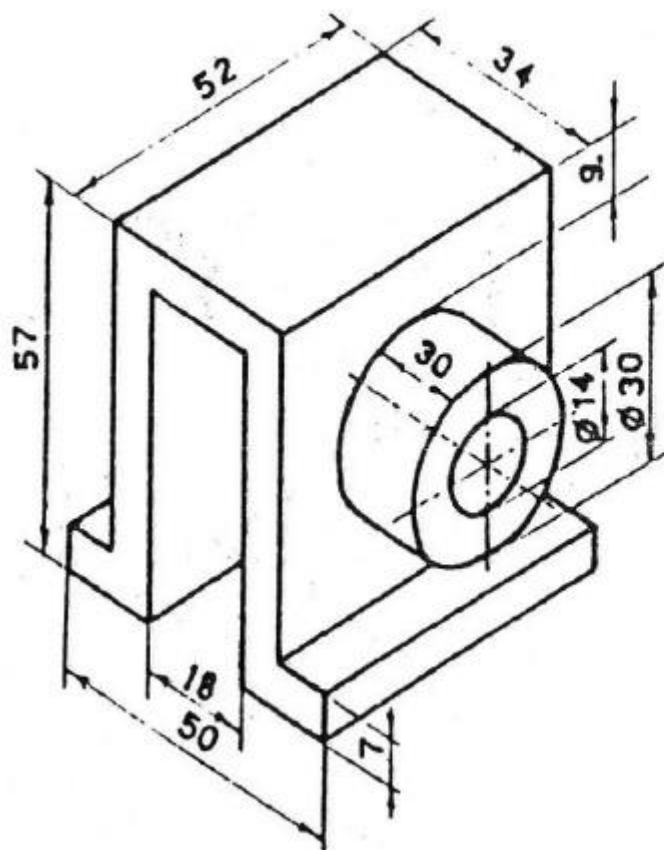
3 ORTHOGRAPHIC PROJECTION

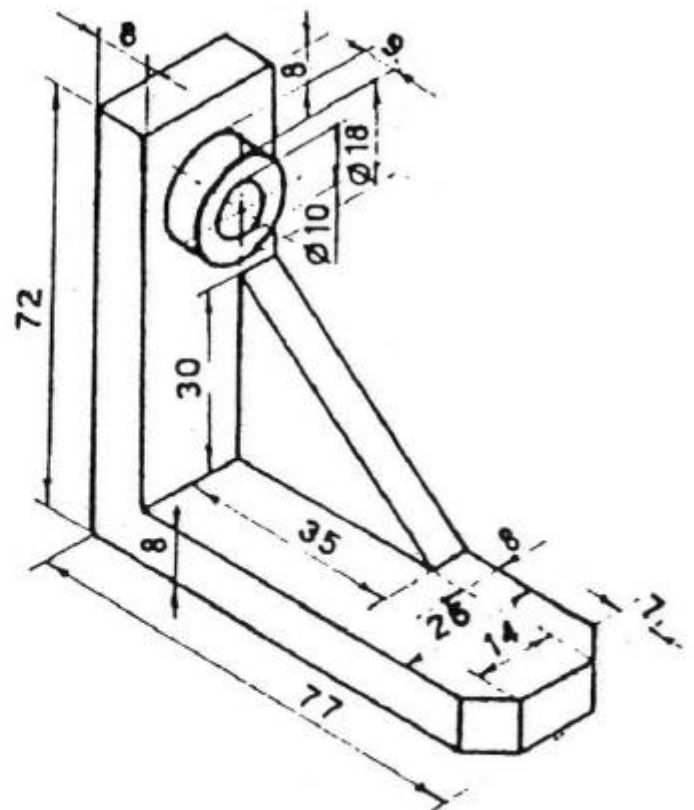
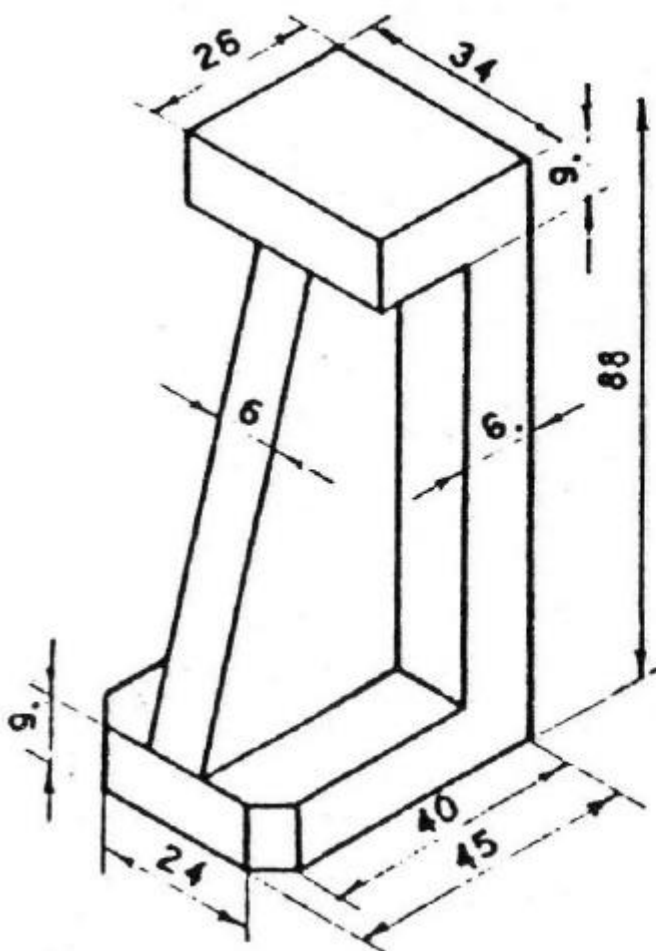
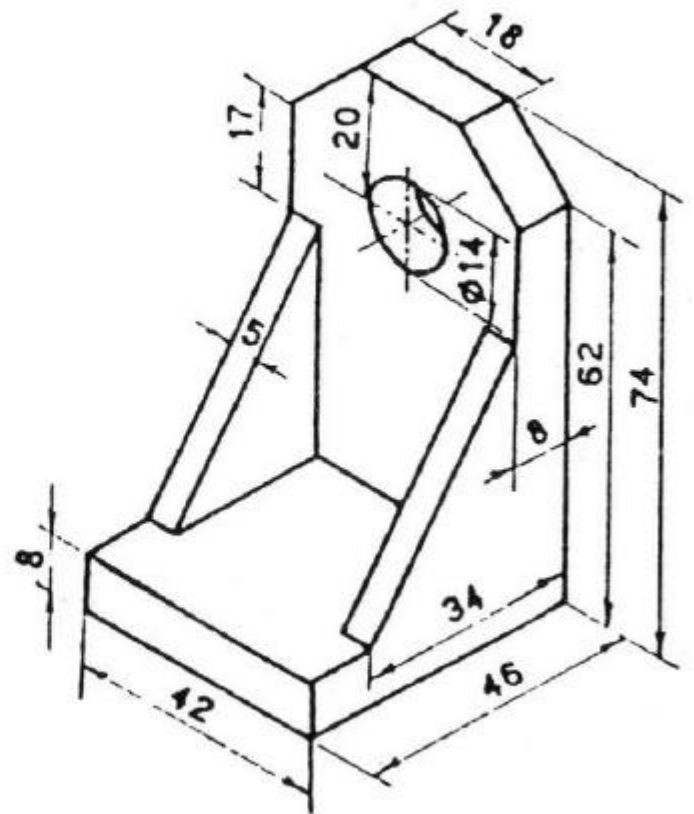
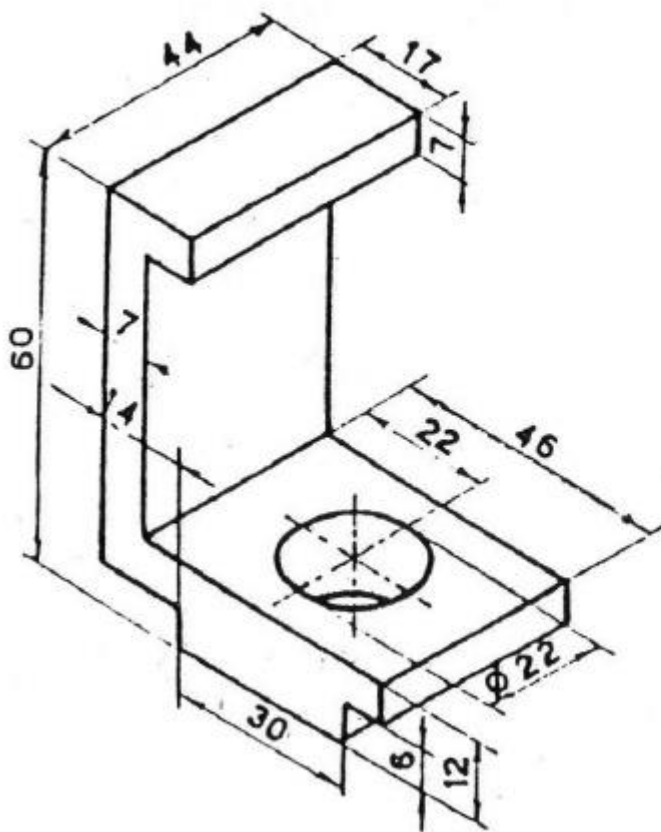


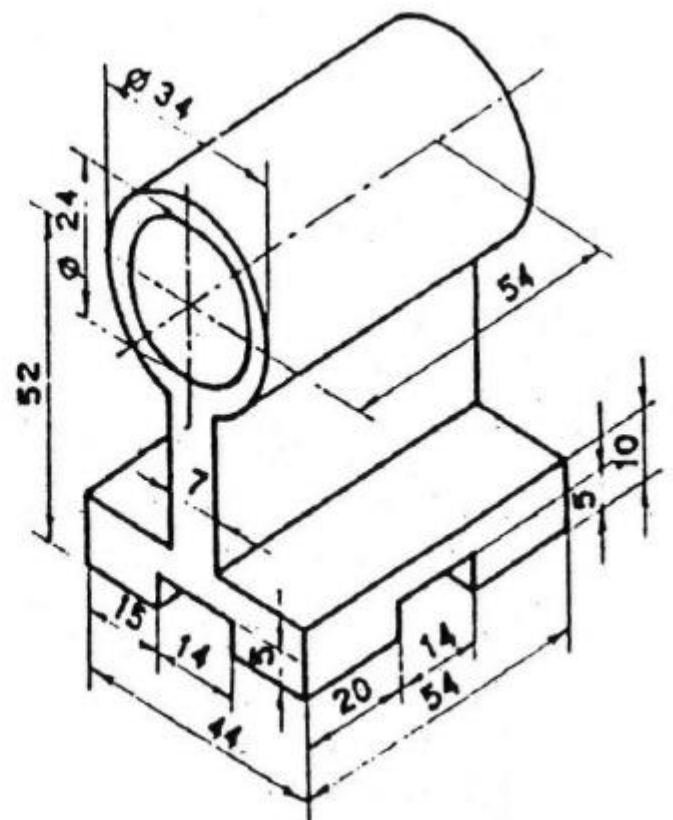
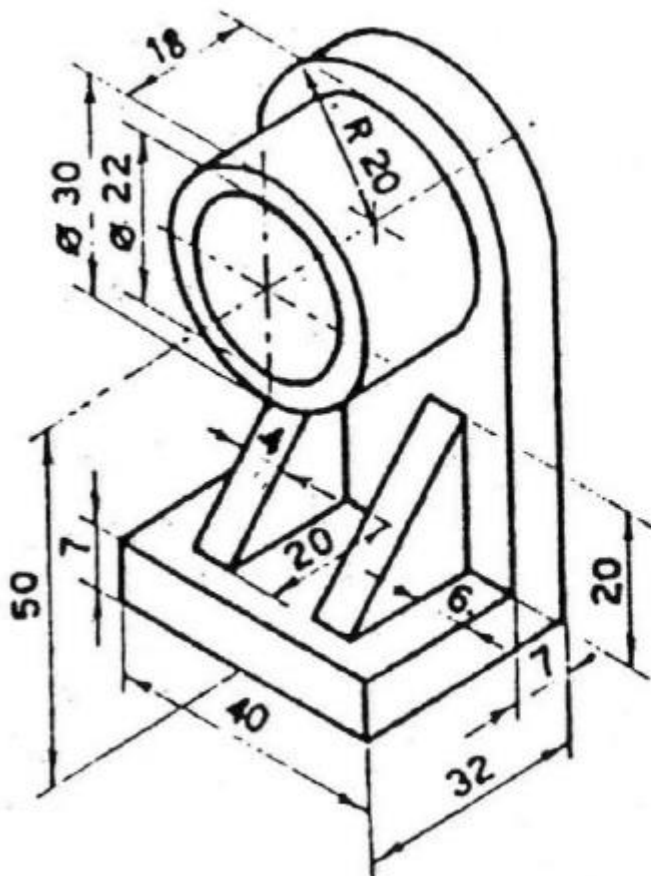
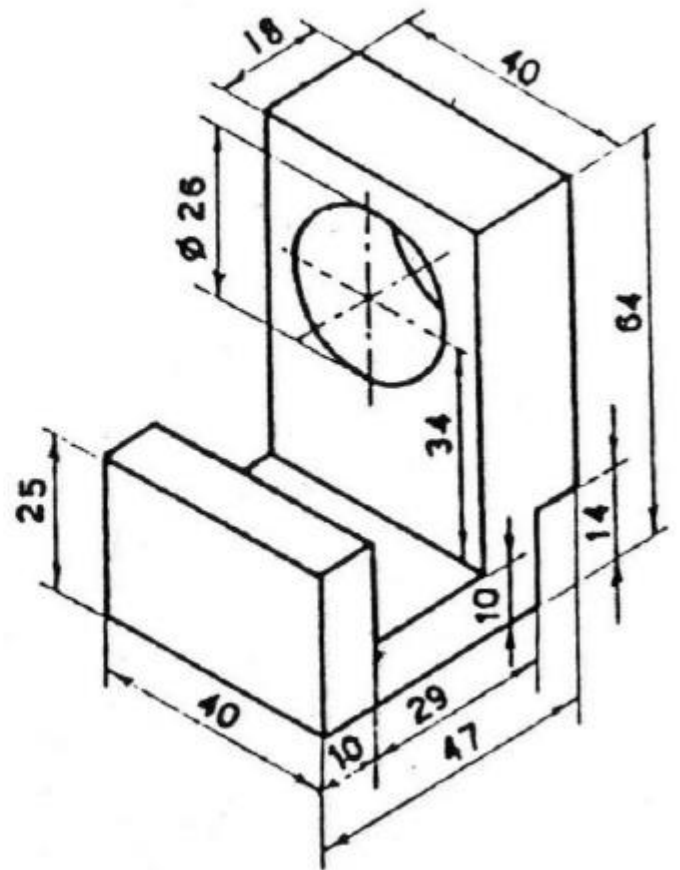
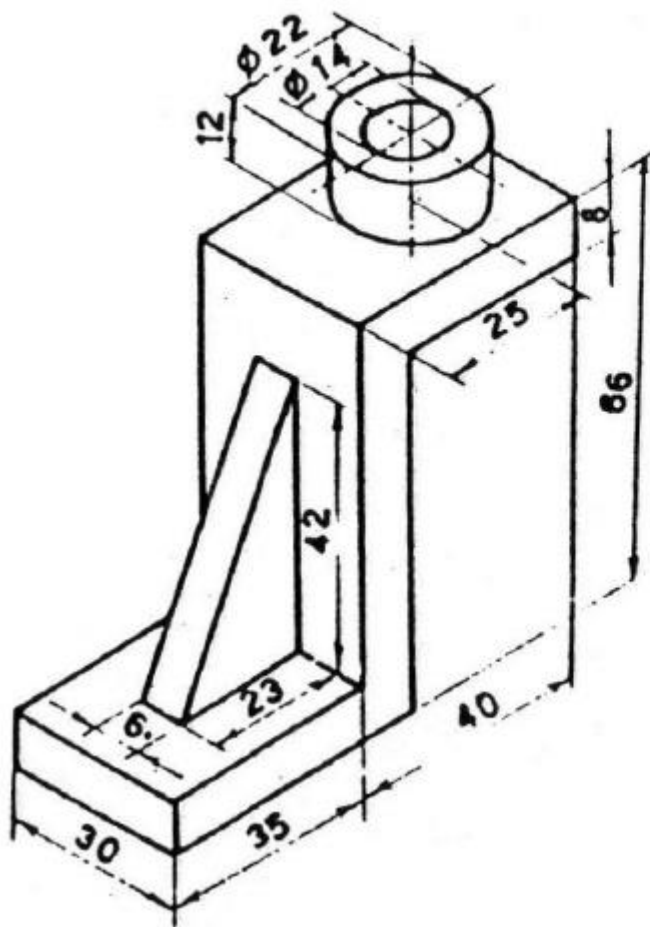


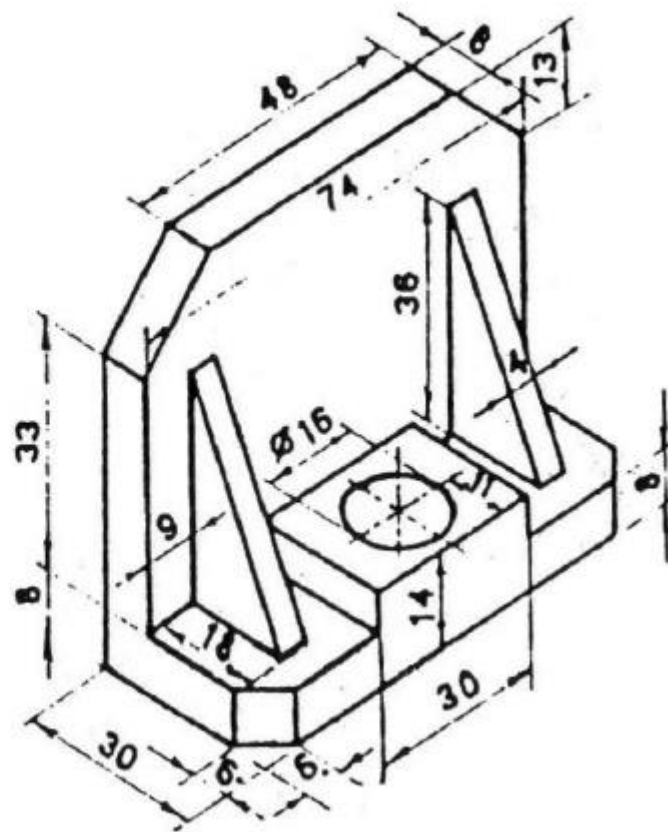
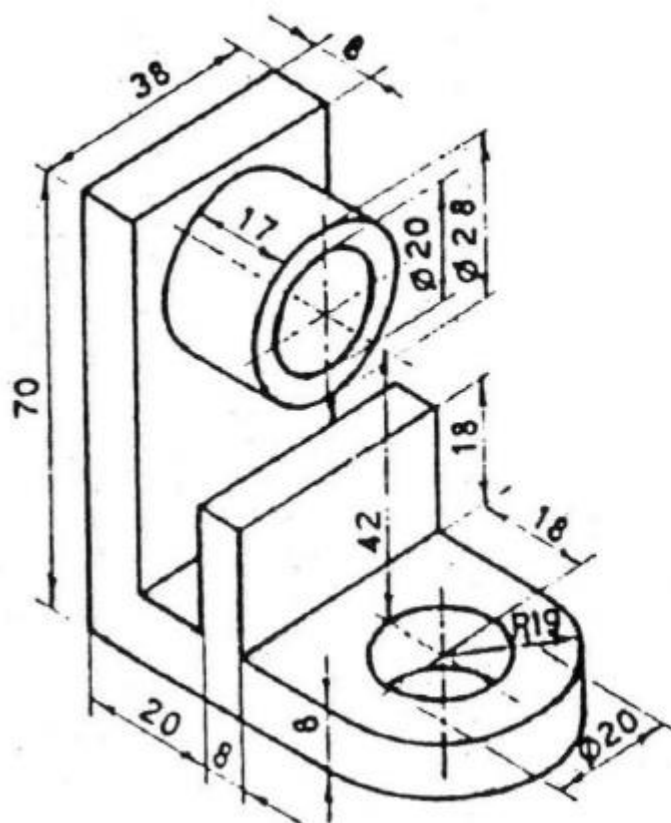
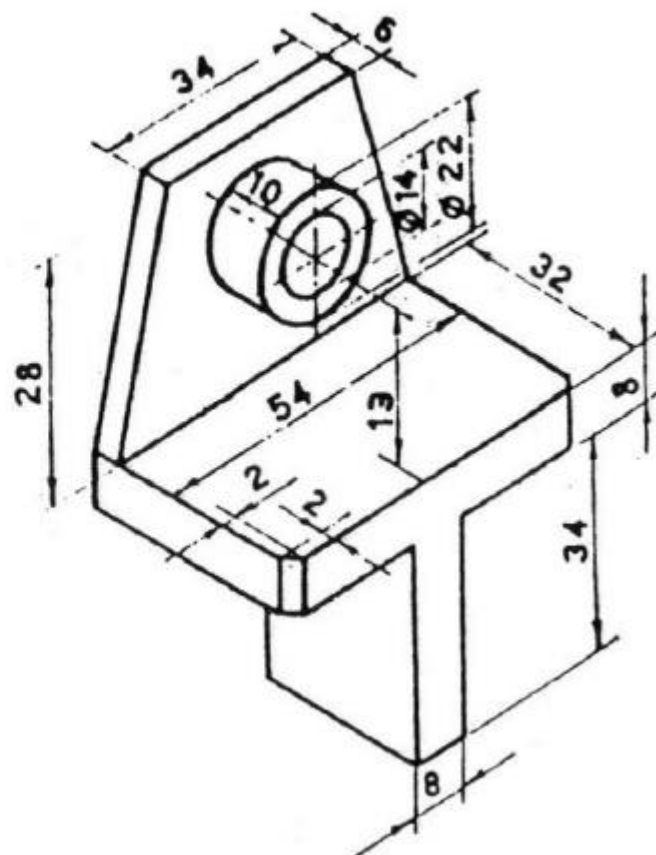
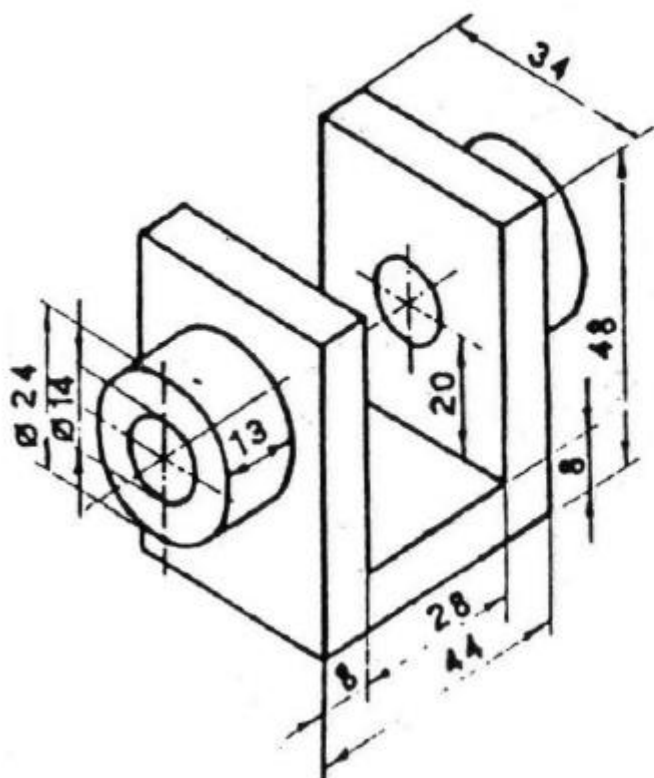


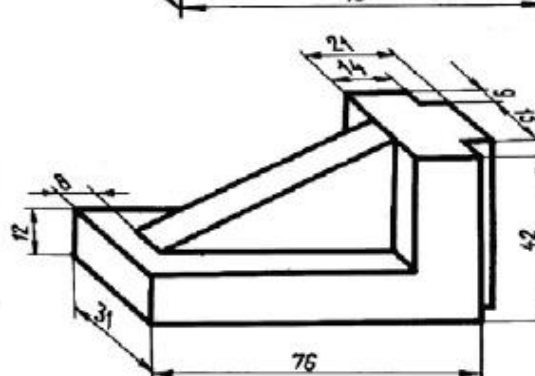
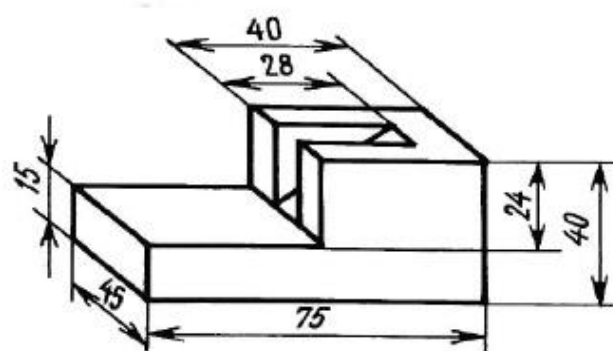
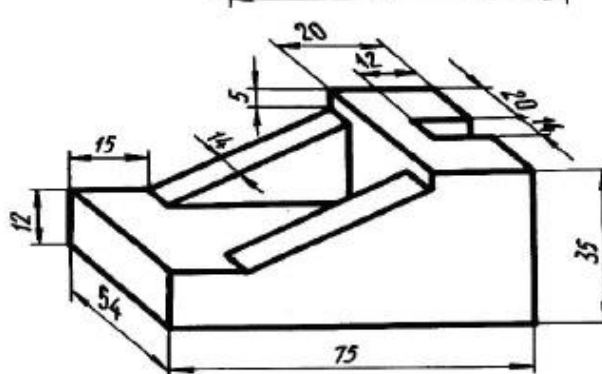
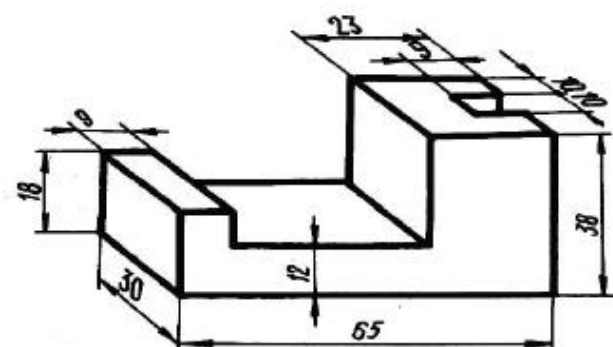
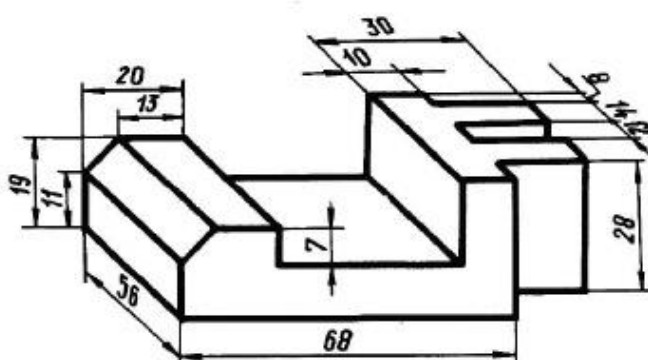
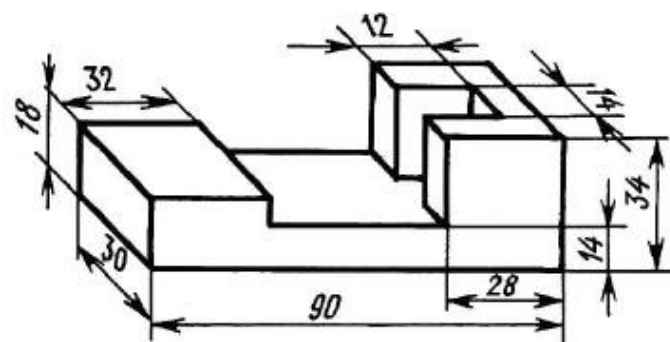
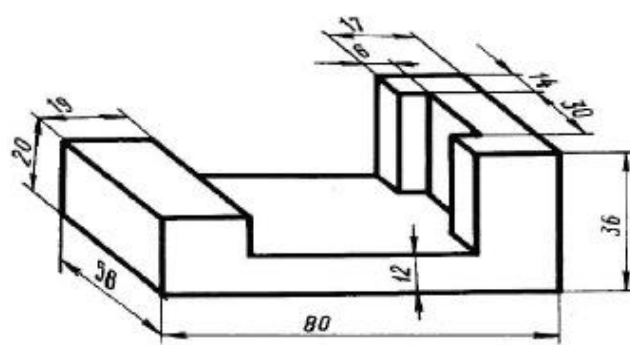
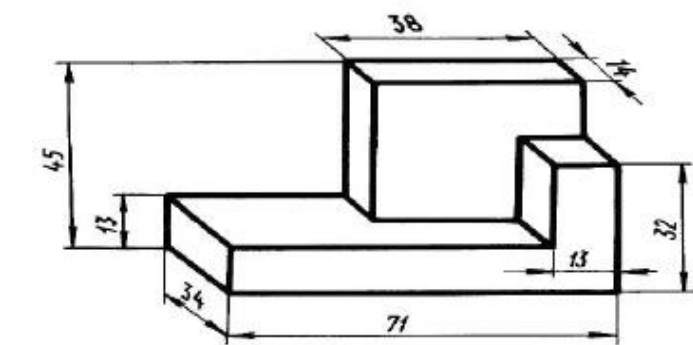


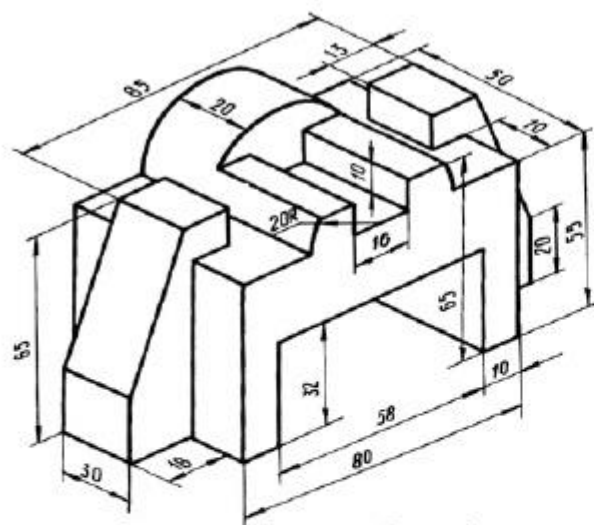




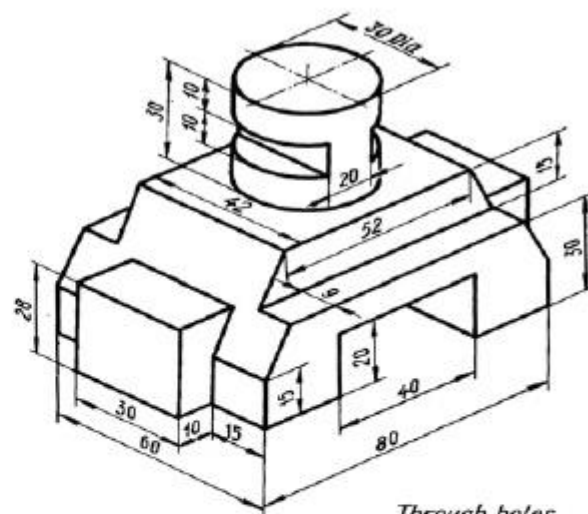




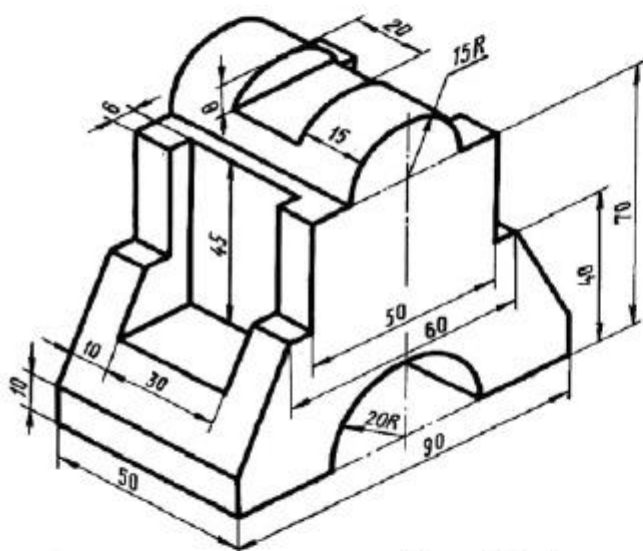




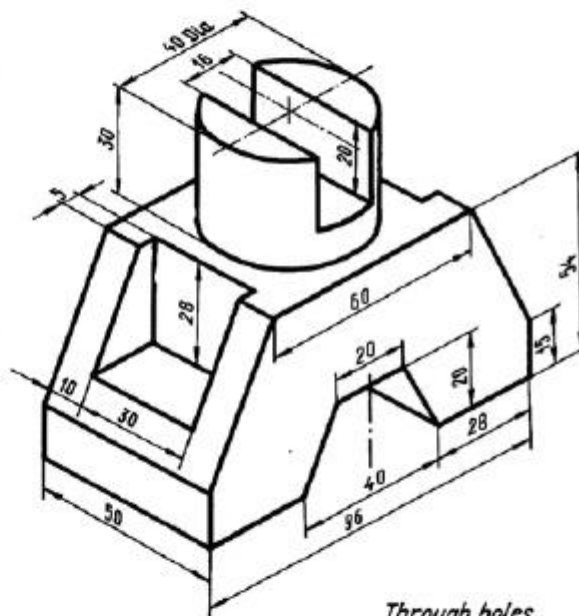
Through holes



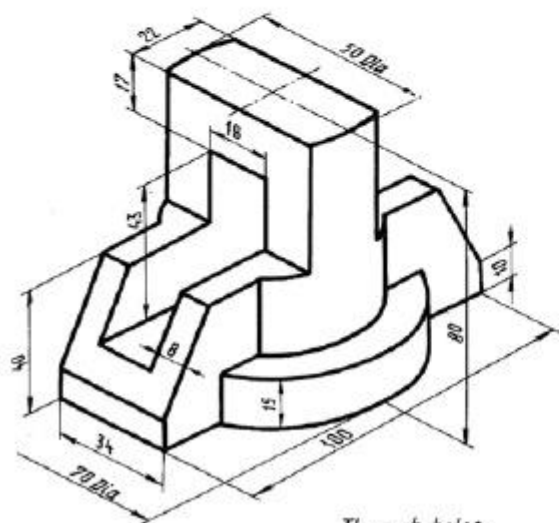
Through holes



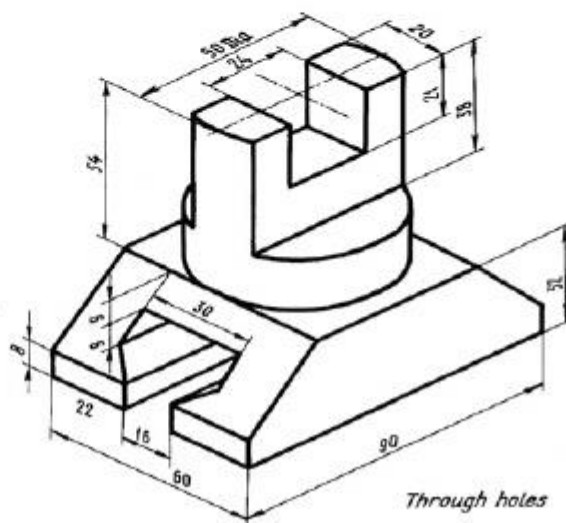
Through holes



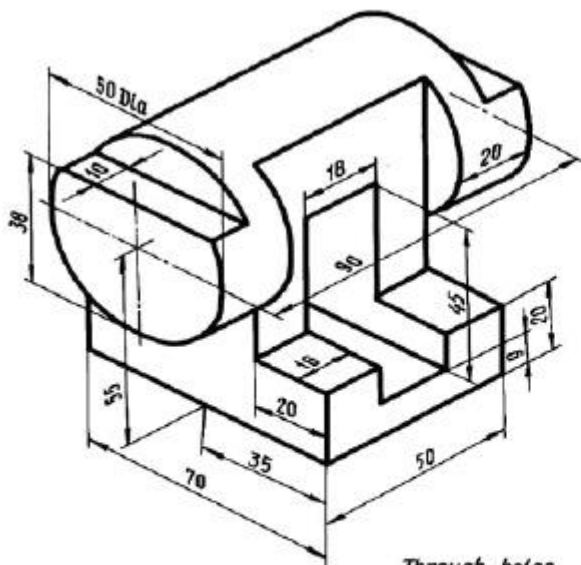
Through holes



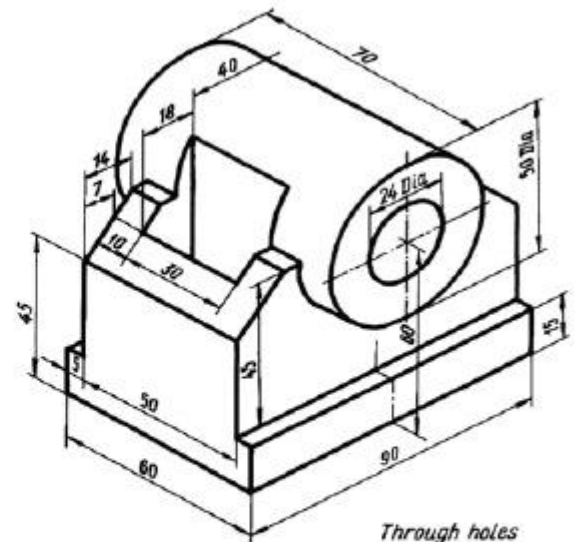
Through holes



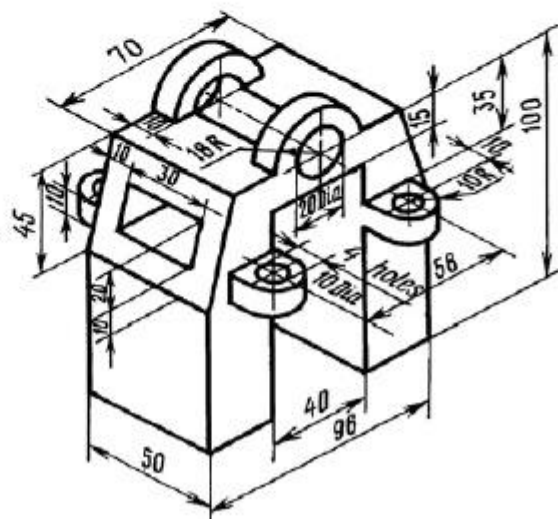
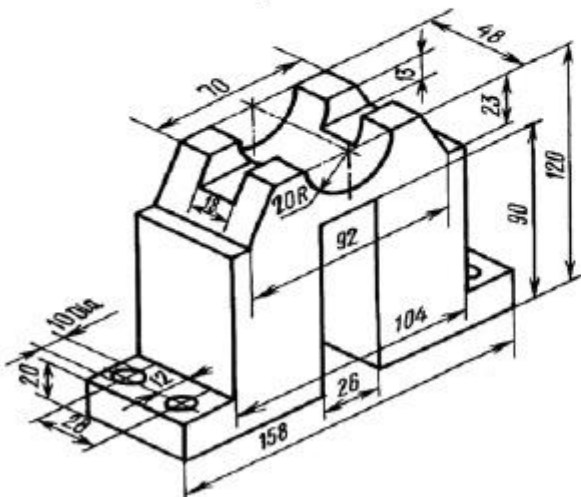
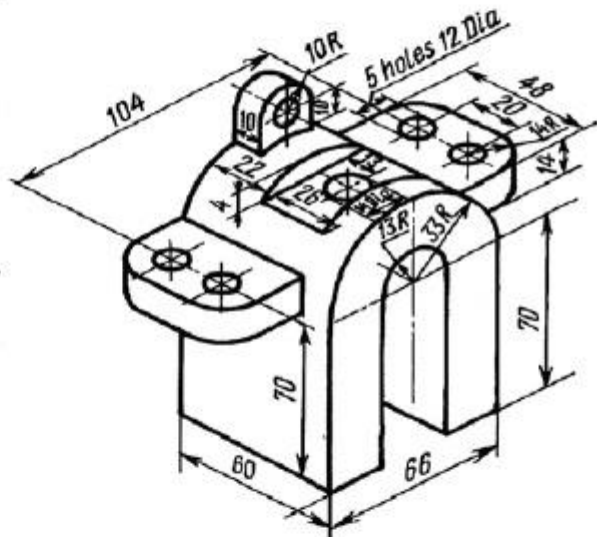
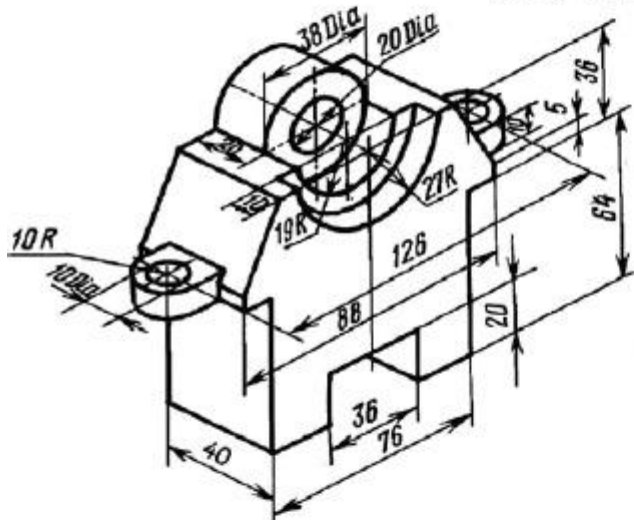
Through holes



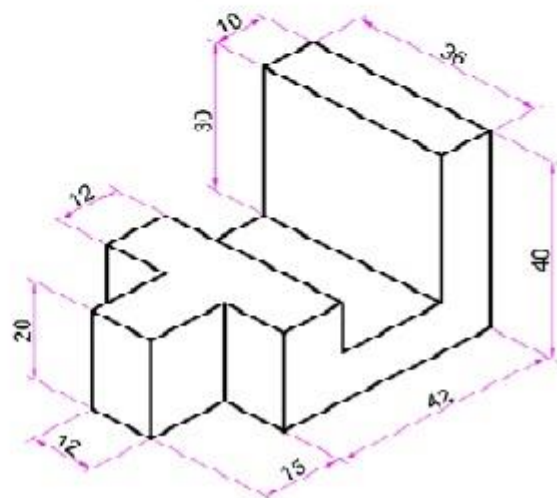
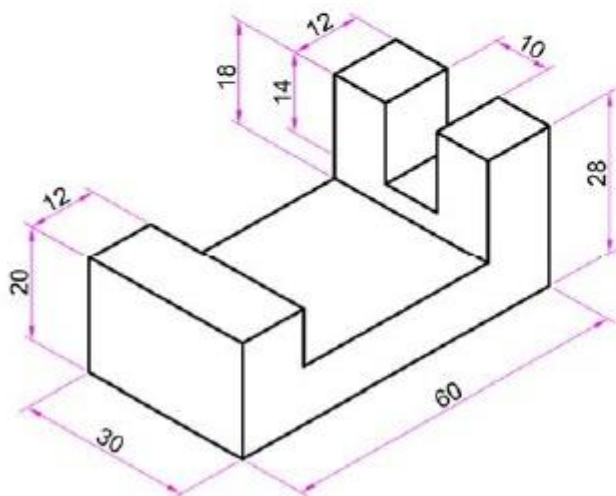
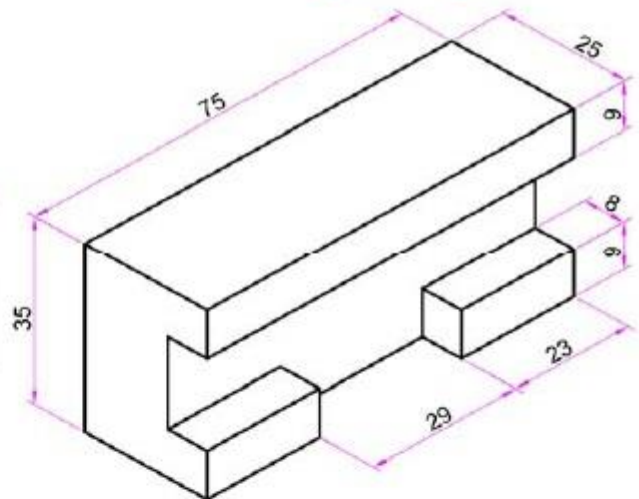
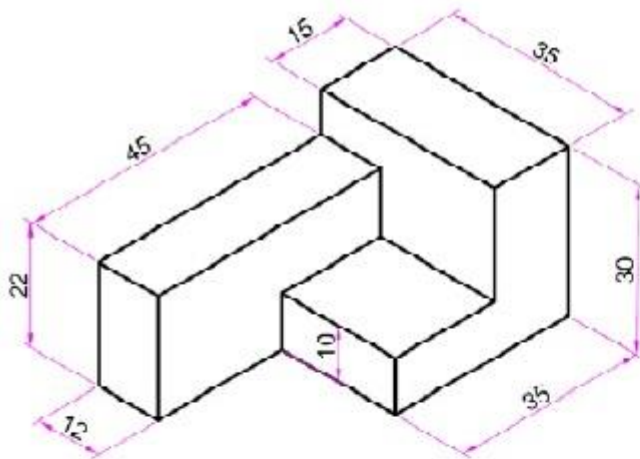
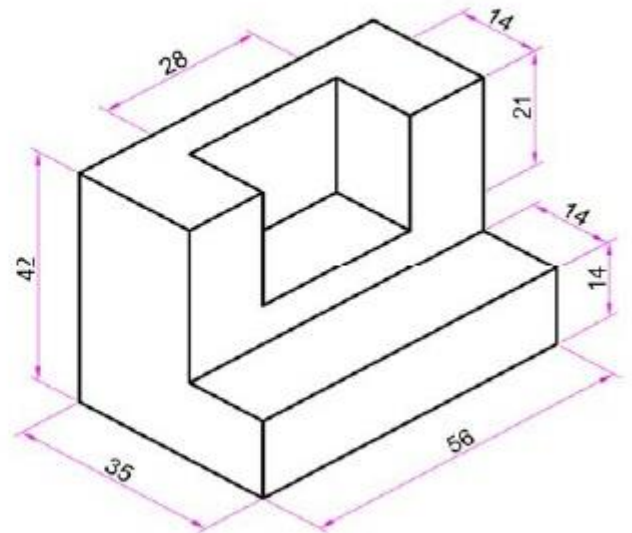
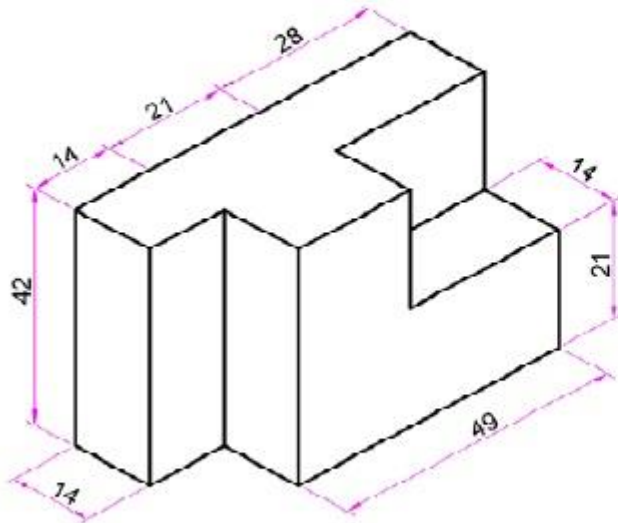
Through holes

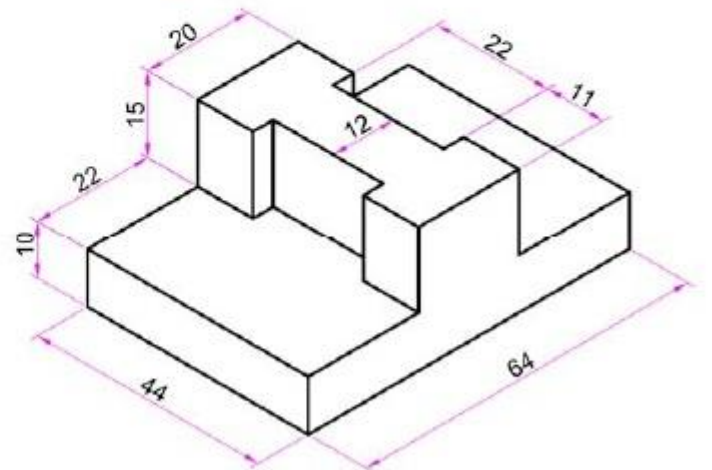
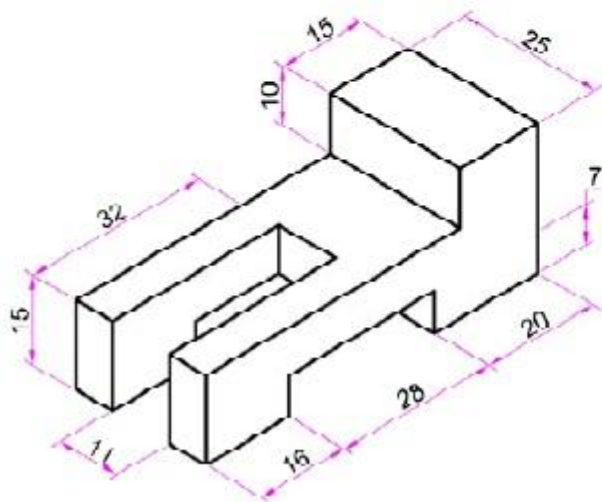
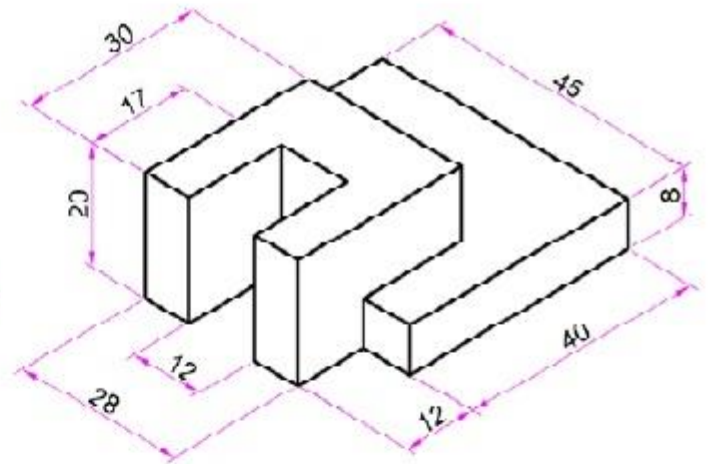
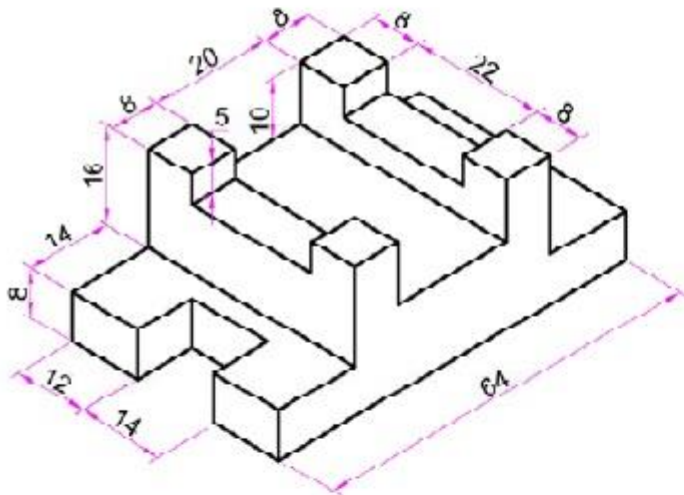
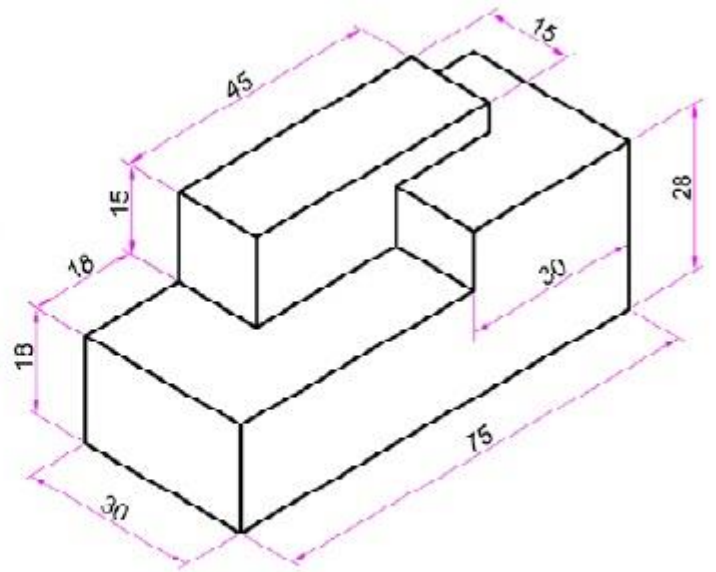
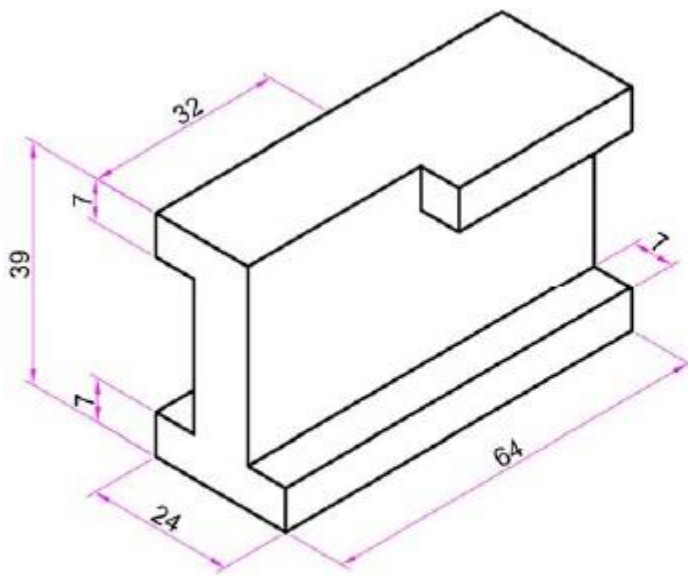


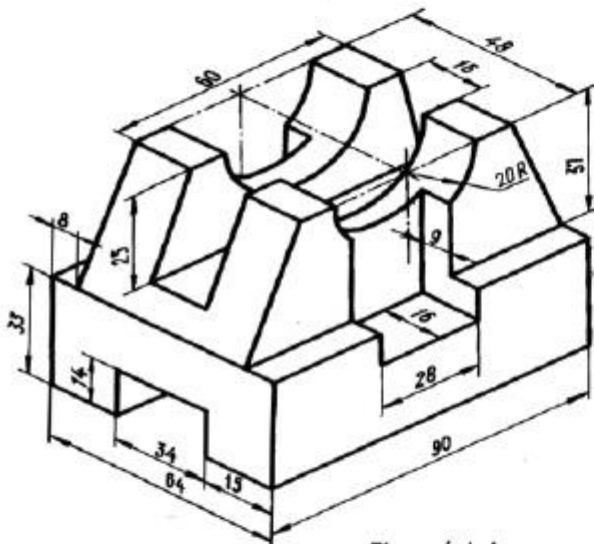
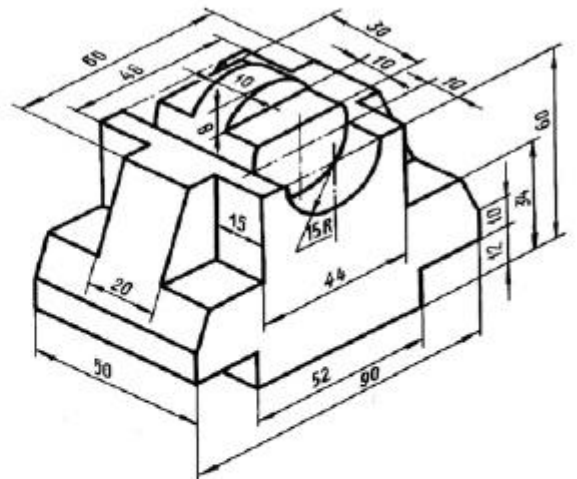
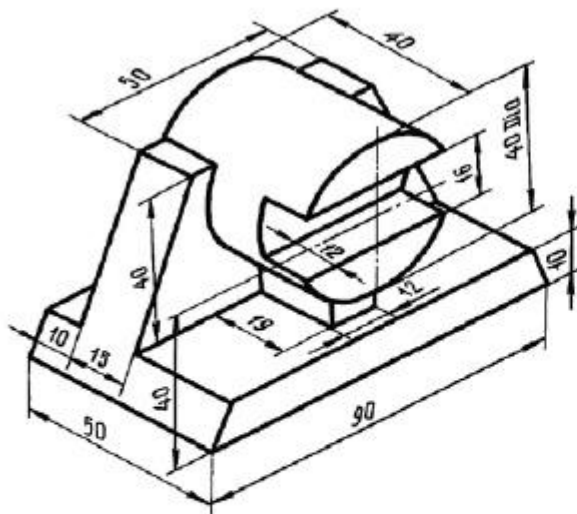
Through holes



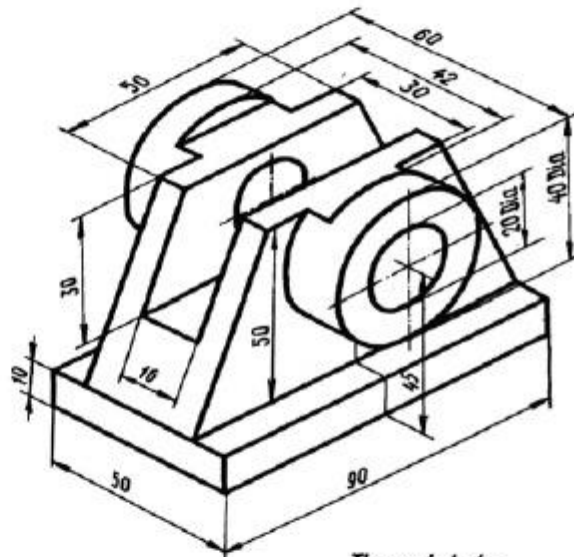
4 PICTORIAL DRAWING



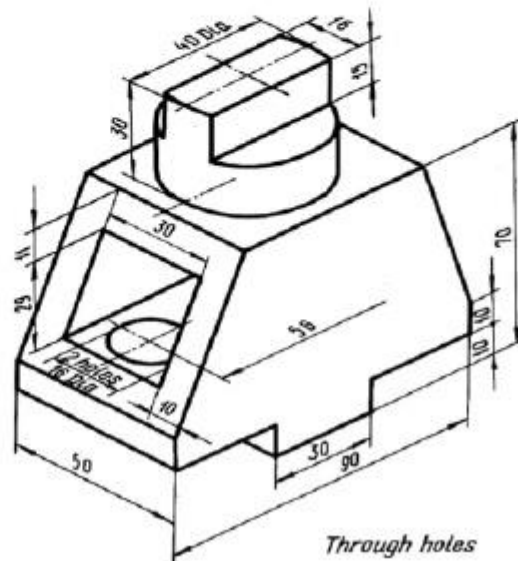
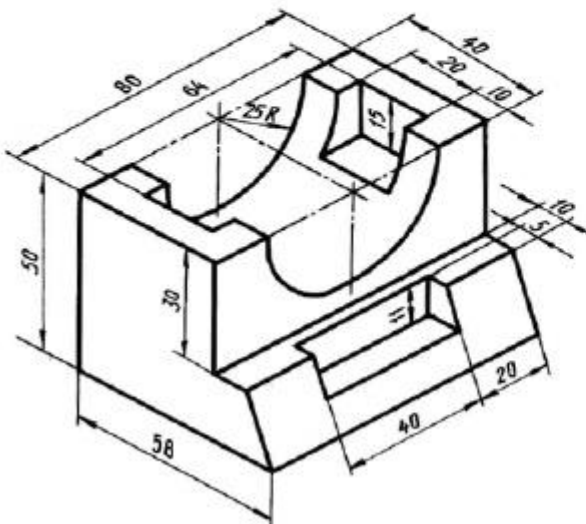




Through holes

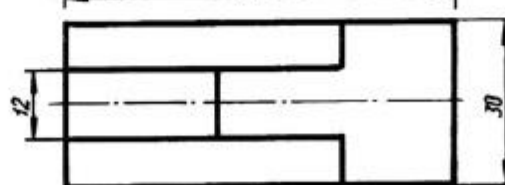
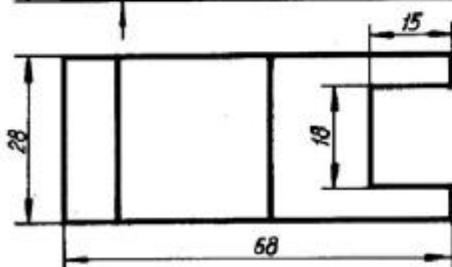
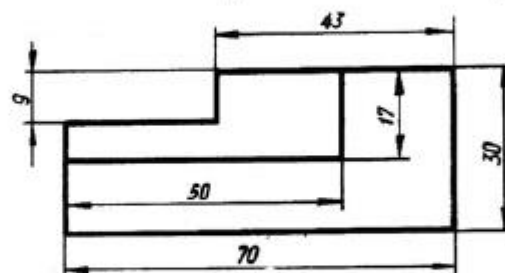
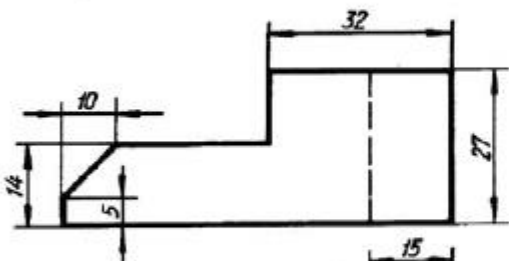
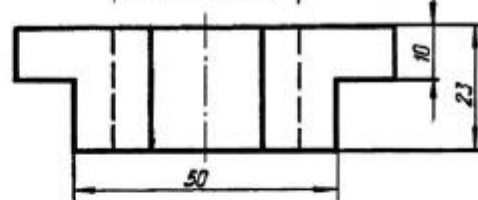
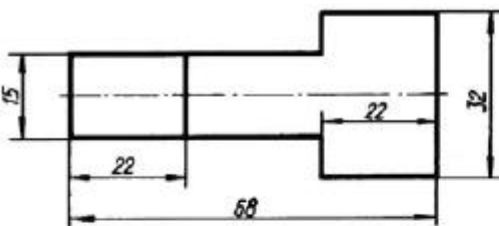
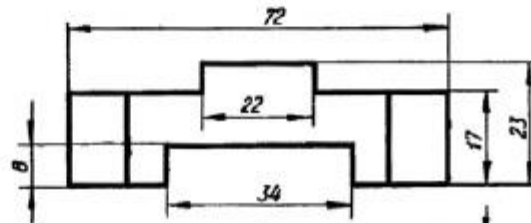
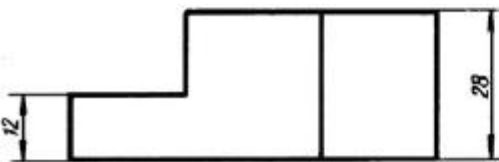
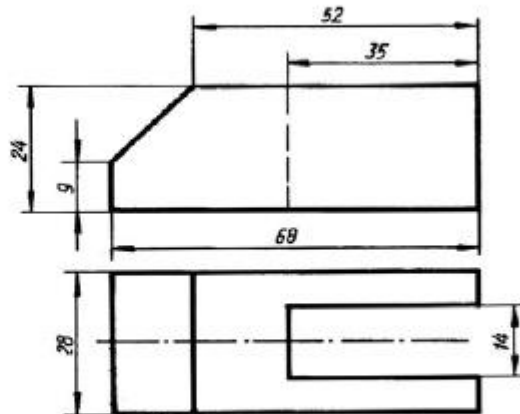
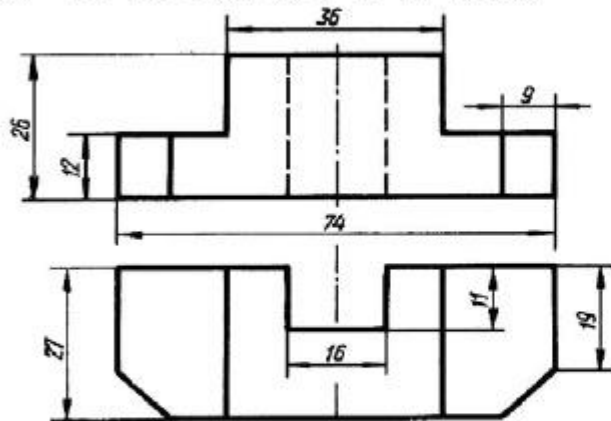


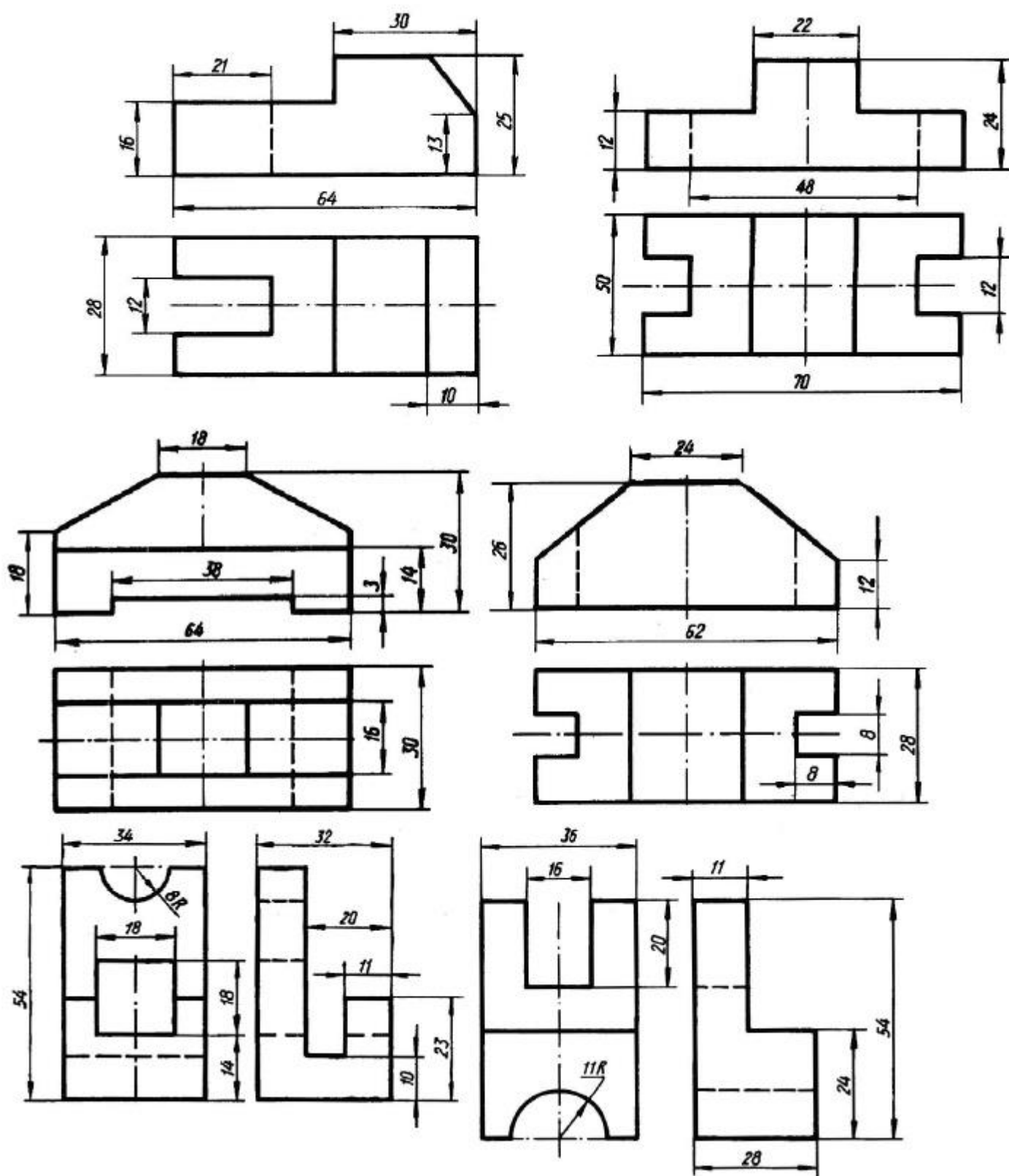
Through holes

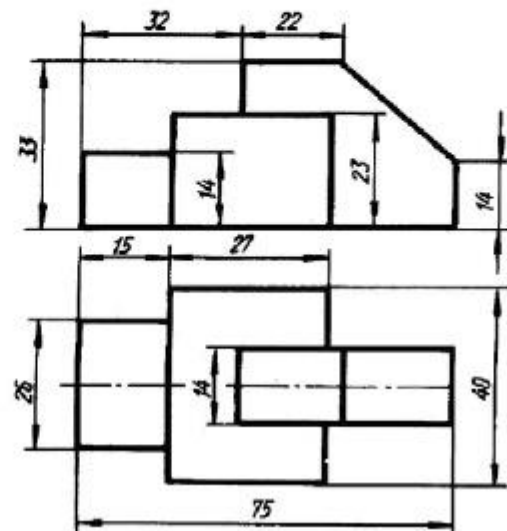
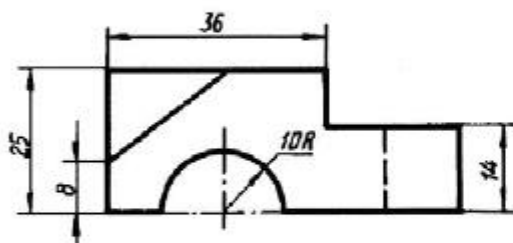
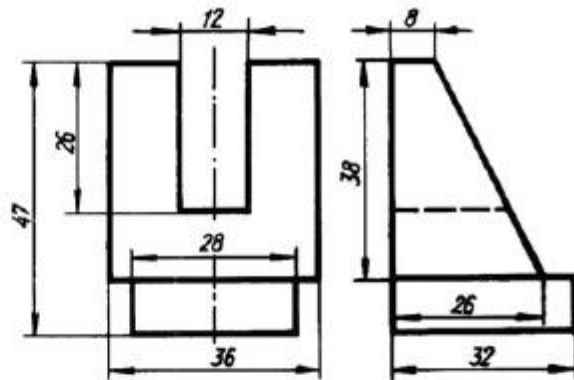
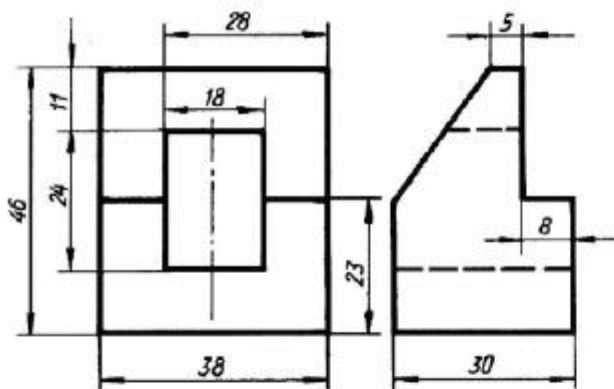
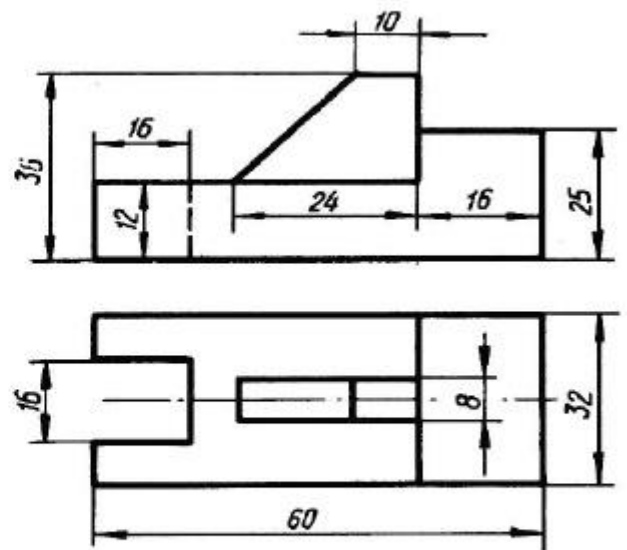
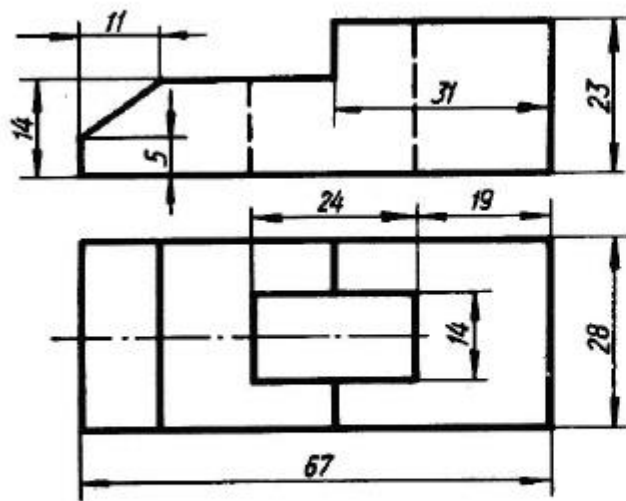


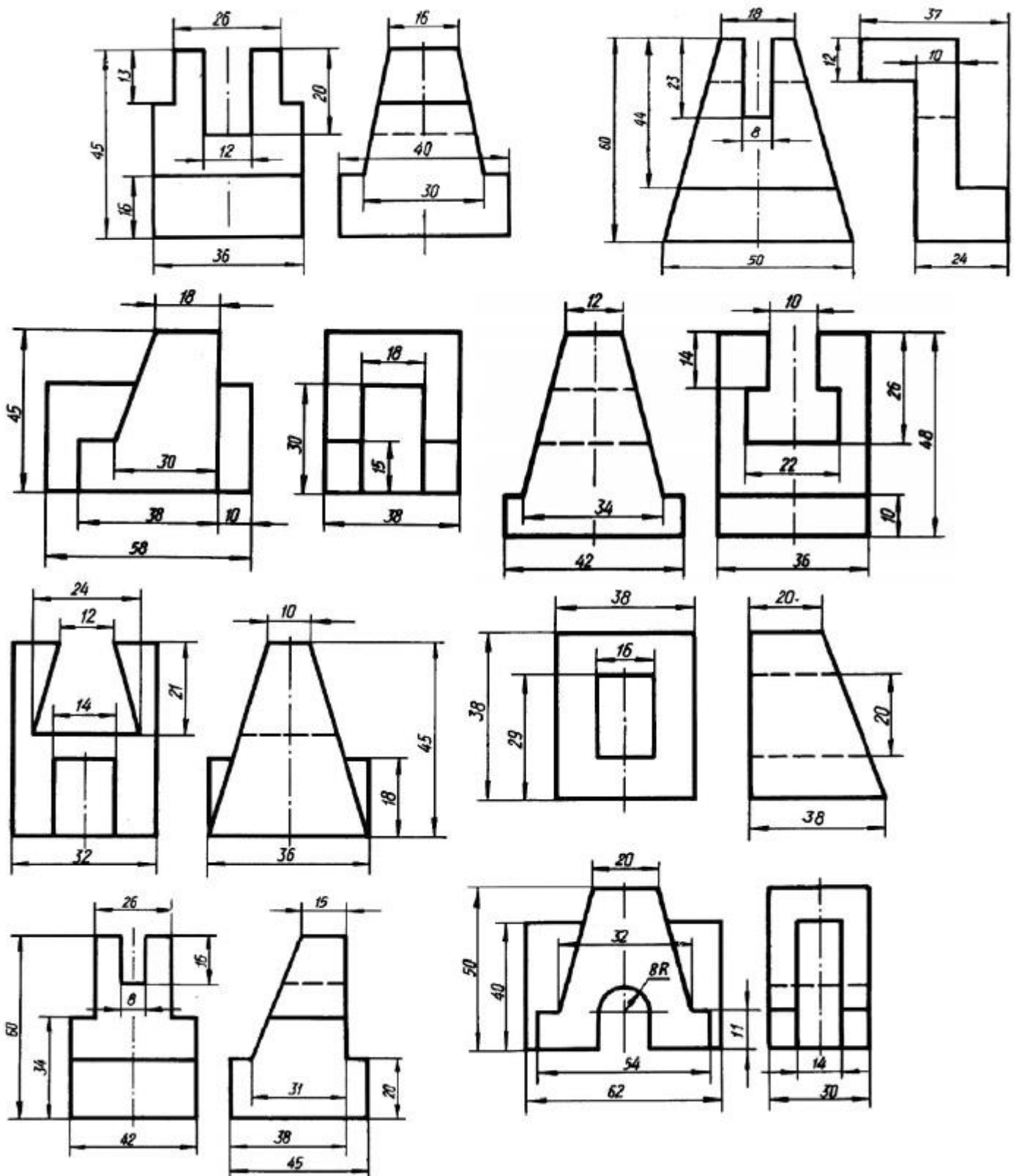
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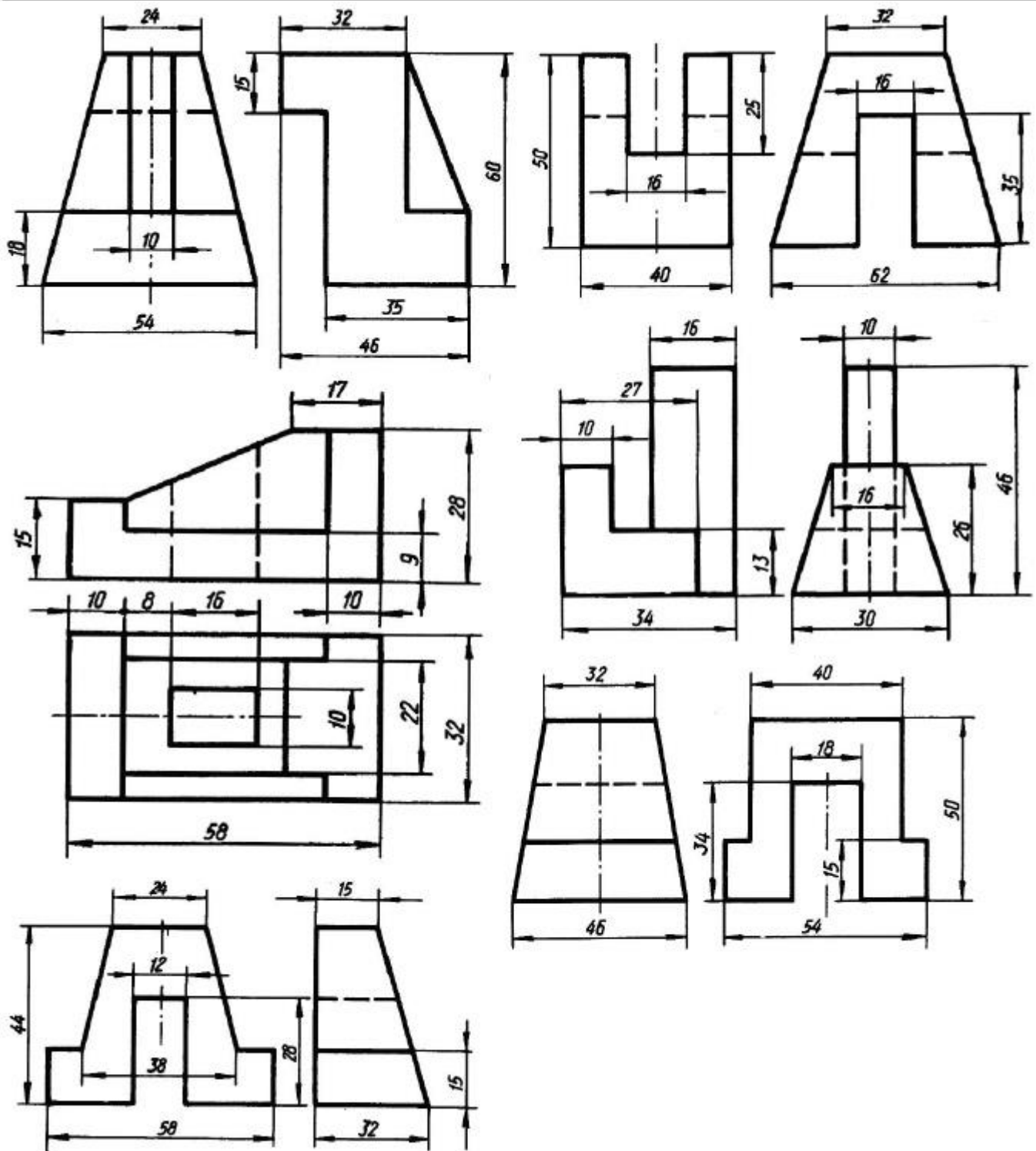
6 MISSING VIEWS

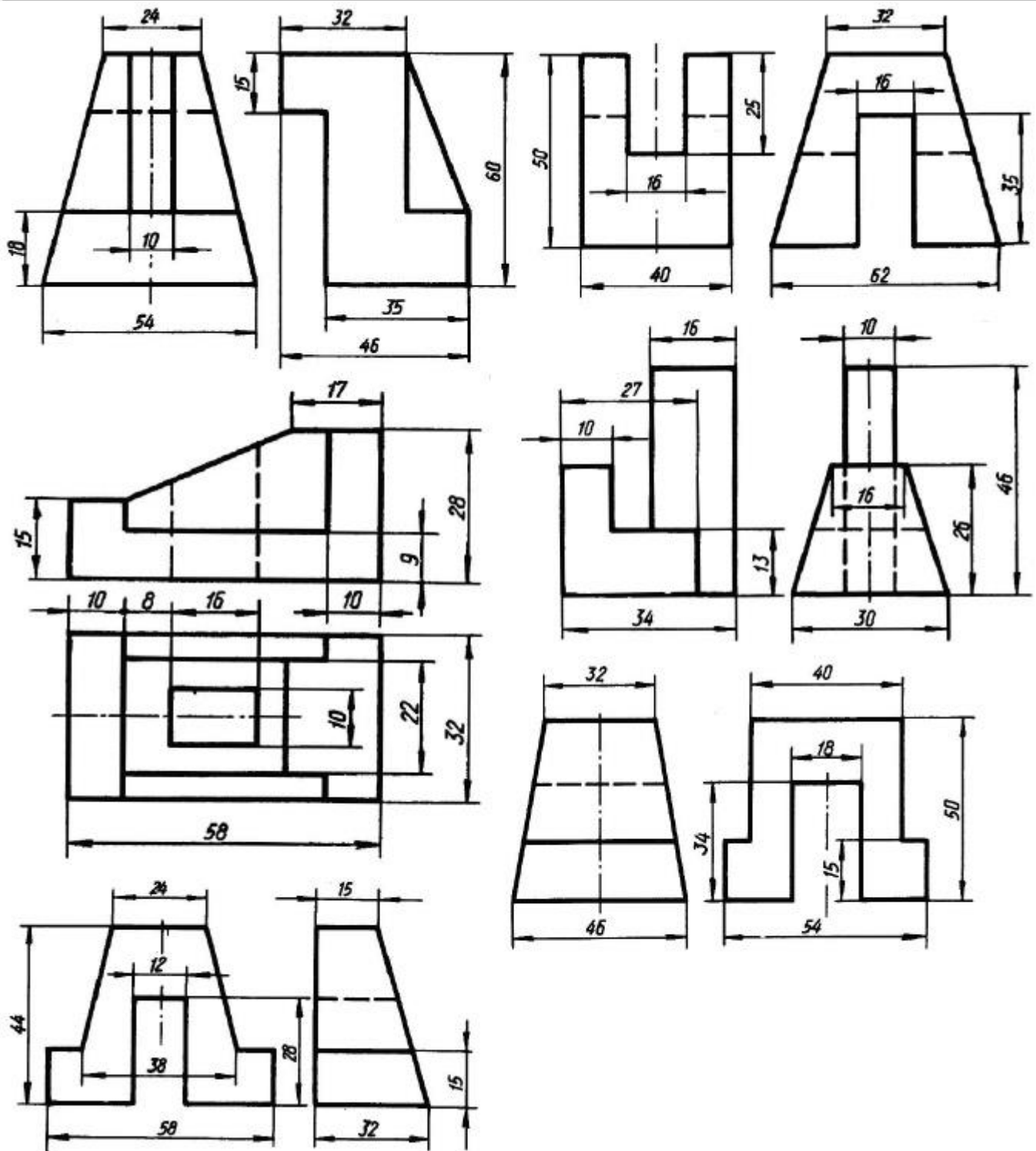


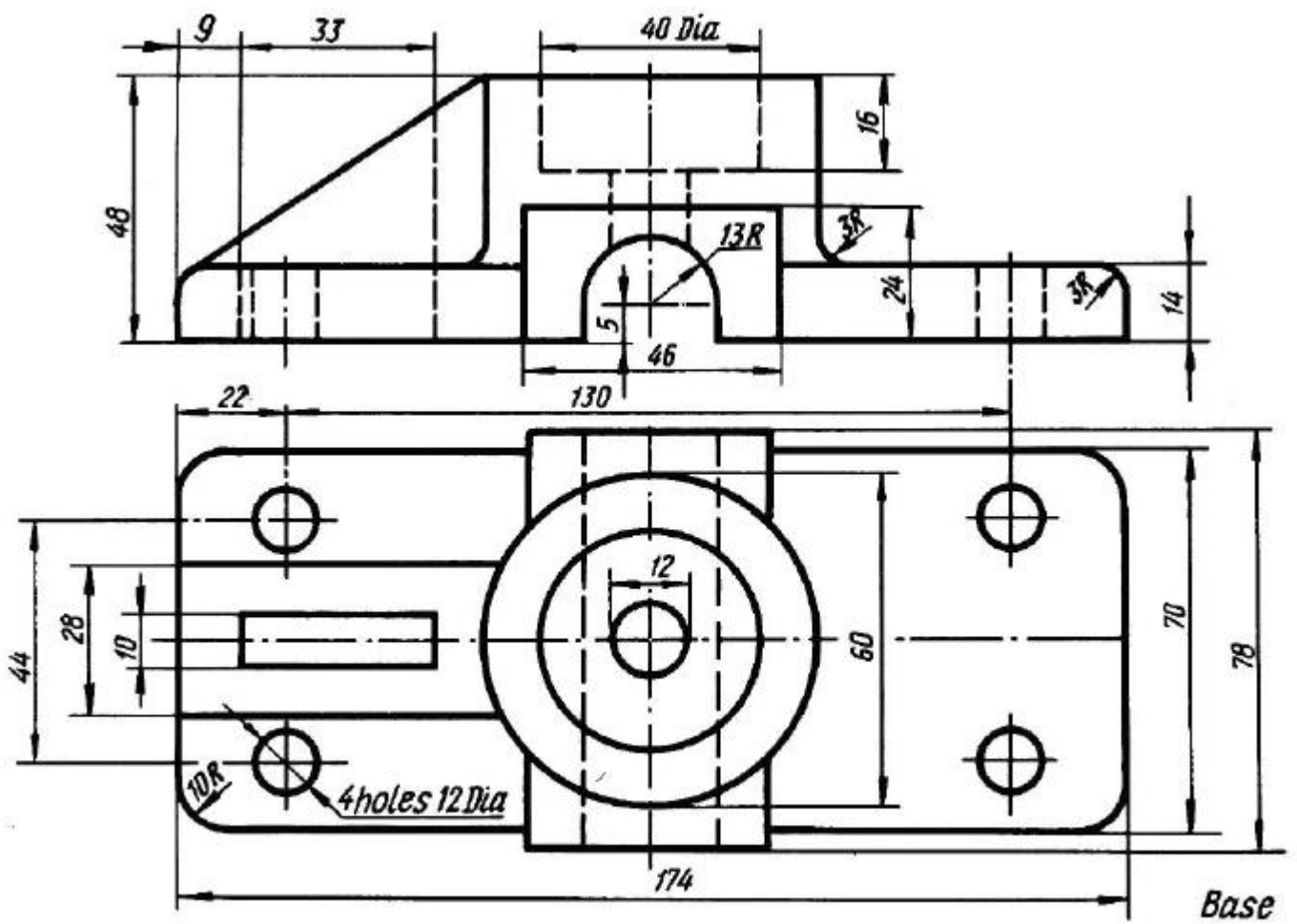
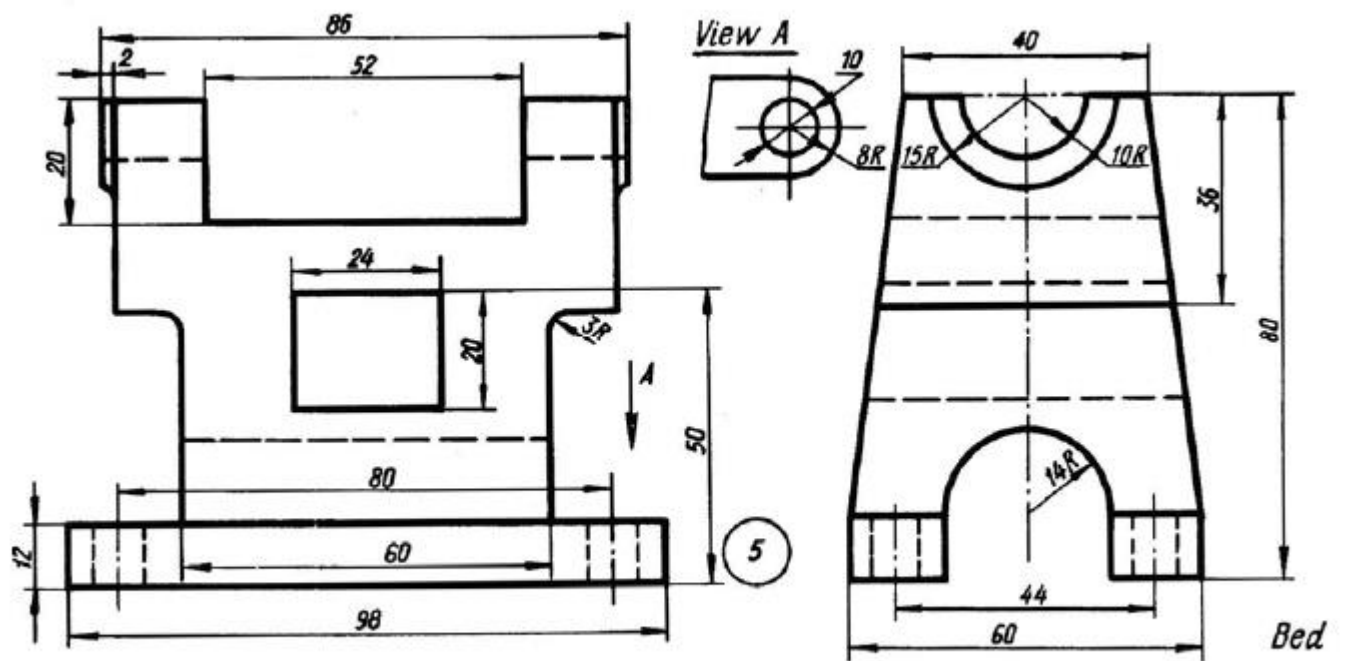


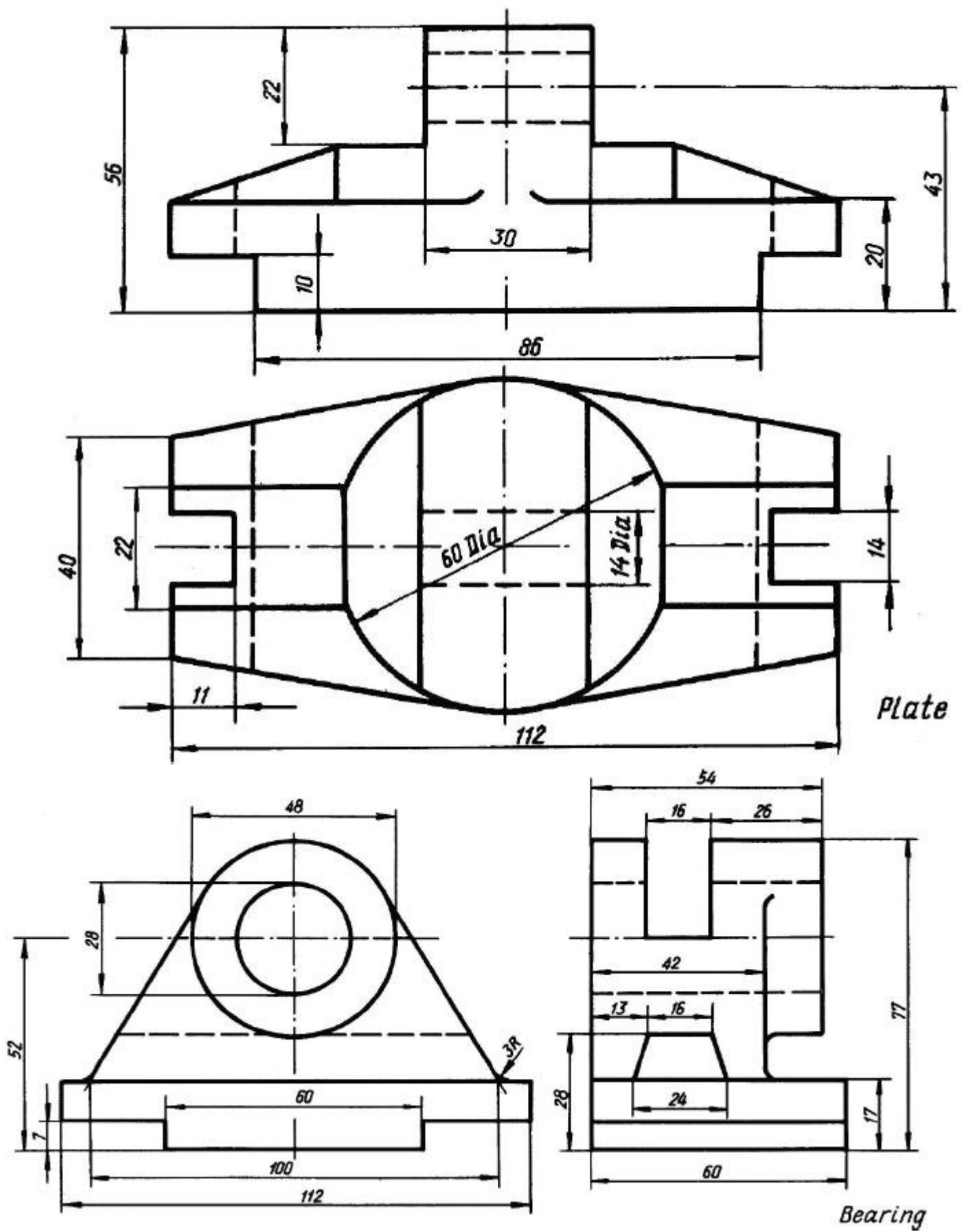


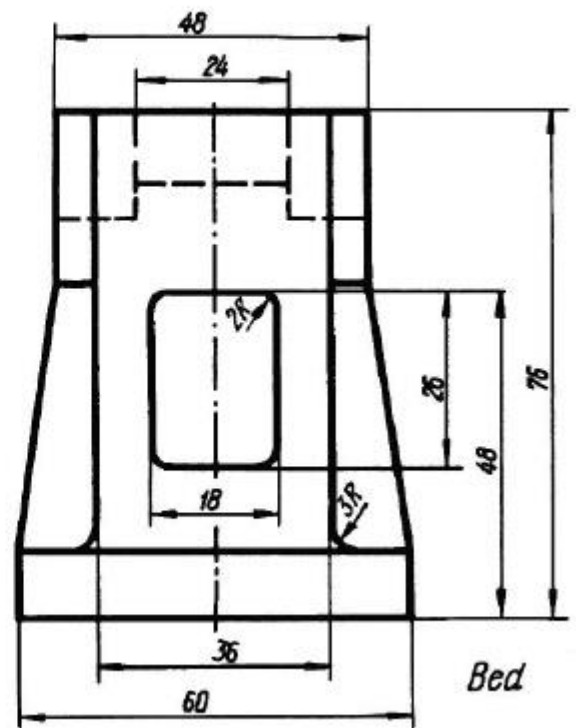
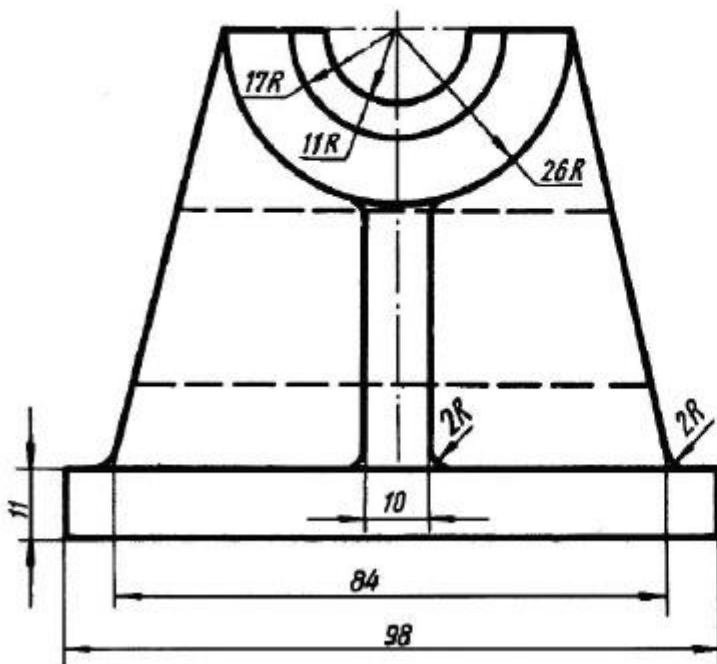
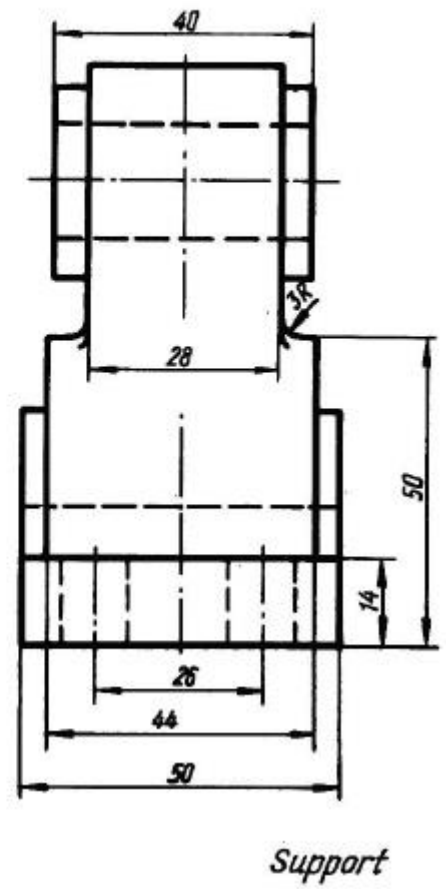
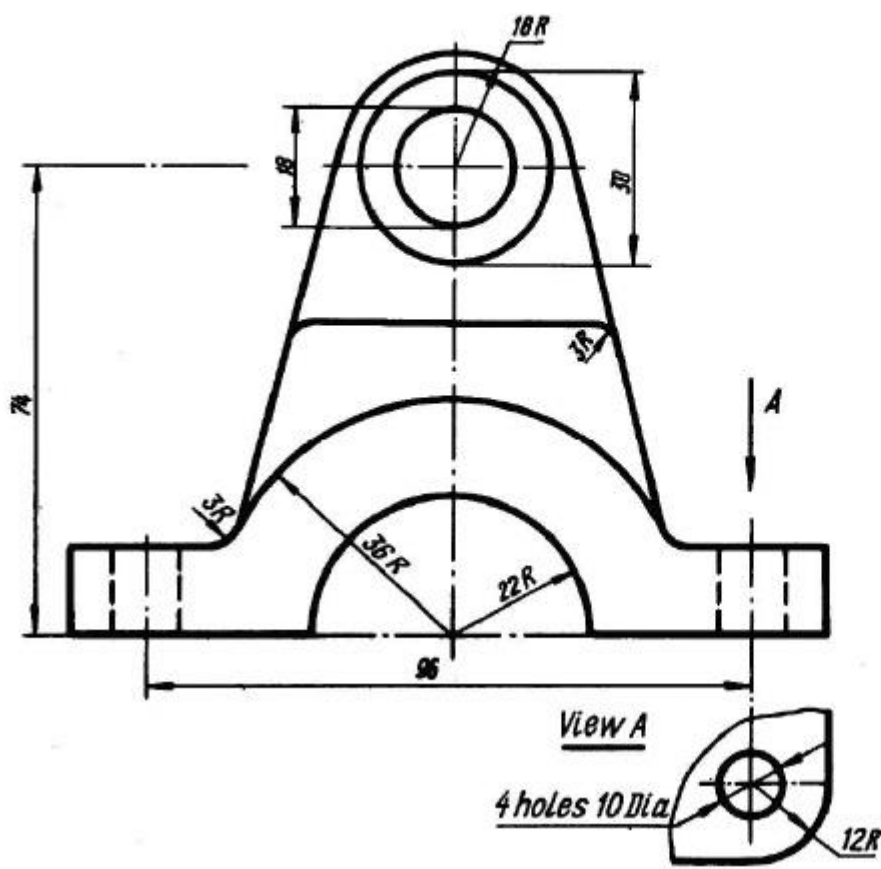












7

SECTIONAL VIEWS

Draw the following
according to the required
views.

7 SECTIONAL VIEWS

