

O‘ZBEKISTON RESPUBLIKASI
OLIY VA O‘RTA MAXSUS TA‘LIM VAZIRLIGI

TOSHKENT VILOYATI CHIRCHIQ DAVLAT PEDAGOGIKA INSTITUTI

SPORT VA CHAQRIQQACHA HARBIY TA‘LIM FAKULTETI

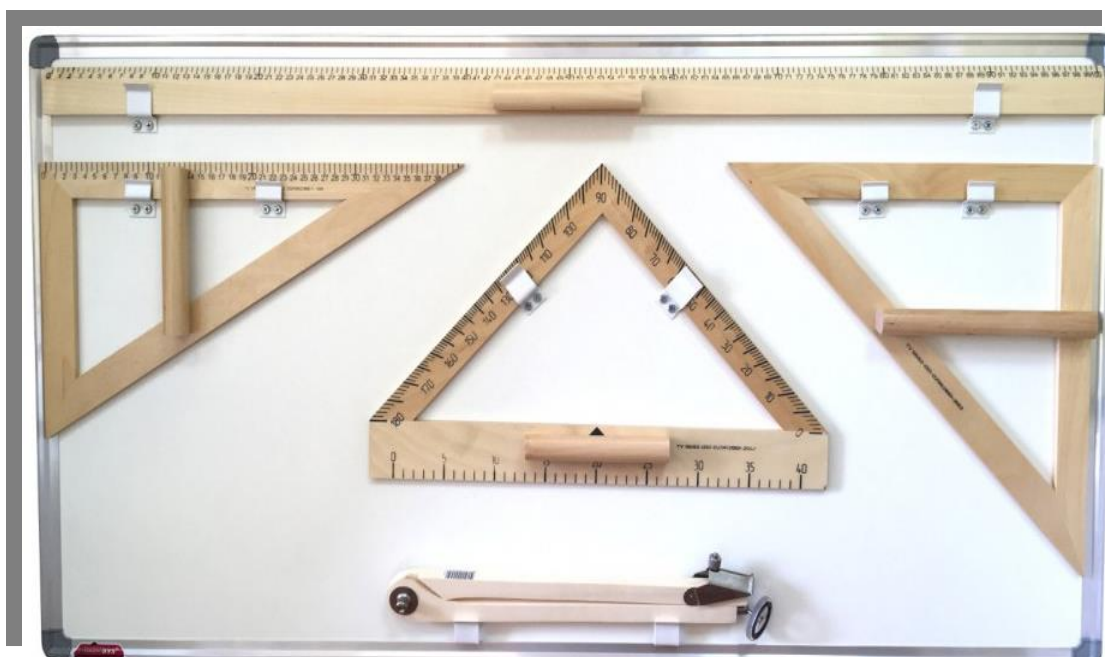
“TASVIRIY SAN‘AT”

kafedrası

CHIZMA GEOMETRIYA

TSMG 19.1 kechi guruh uchun mustaqil talim topshiriqlar

TO‘PLAMI



Chirchiq 2020

CHIZMACHILIK FANIDAN
MUSTAQIL TA'LIM TOPSHIRIQLARI:

1. Mustaqil ta'lim mavzlari bo'yicha 10 ta test savollarini tayyorlash (kaliti bilan), tayyorlangan testlarning 50% murakkab test bo'lishi lozim. Test namunasi quyida namunada keltirilgan.

Test tayyorlash bo'yicha namuna:

1. **Chizmaning aslidan nusxa ko'chirishda ishlatiladigan yupqa shaffof qogoz**
 - A. Kalka
 - B. Millimetrli qog'oz
 - C. Vatman
 - D. Chizma qog'ozi
2. **Yumshoq qalamlar qanday harflar bilan belgilanadi?**
 - A. TM yoki HB
 - B. 2T yoki 2H
 - C. Konstruktor
 - D. M yoki B
3. **Uzuq chuziq yo'g'onligi nechaga teng?**
 - A. $s/3 \dots s/2$
 - B. $s=0.6s$
 - C. $s-1,5s$
 - D. s
4. **Uzuq chiziqning uzunligi nechaga teng?**
 - A. 3-5 mm
 - B. 8-20 mm
 - C. 5-30 mm
 - D. 2-8 mm
5. **Asosiy yo'g'on tutash chiziq chizmada qayerda qo'llaniladi?**
 - A. Buyumning ko'rinarli kontur chiziqlarini chizishda
 - B. Buyumning ko'rinmas kontur chiziqlarini chizishda
 - C. Buyumning o'q va markaziy chiziqlarini chizishda
 - D. Kesuvchi tekislik o'rnini ko'rsatishda
6. **Kesishuvchi to'g'ri chiziqlar o'zaro perpendikulyar bo'lsa, ular orasidagi burchak necha gradusga teng bo'ladi?**
 - A. 45^0
 - B. 90^0
 - C. 30^0
 - D. 60^0
7. **Chizmada o'lcham chiziqlari orasidagi masofa nechaga teng?**
 - A. 2-3 mm
 - B. 5-30 mm
 - C. 6-10 mm
 - D. 8-30 mm
8. **Inginchka tutash to'liqsimon chiziq chizmada qayerda qo'llaniladi?**
 - A. Kesuvchi tekislik o'rnini ko'rsatishda

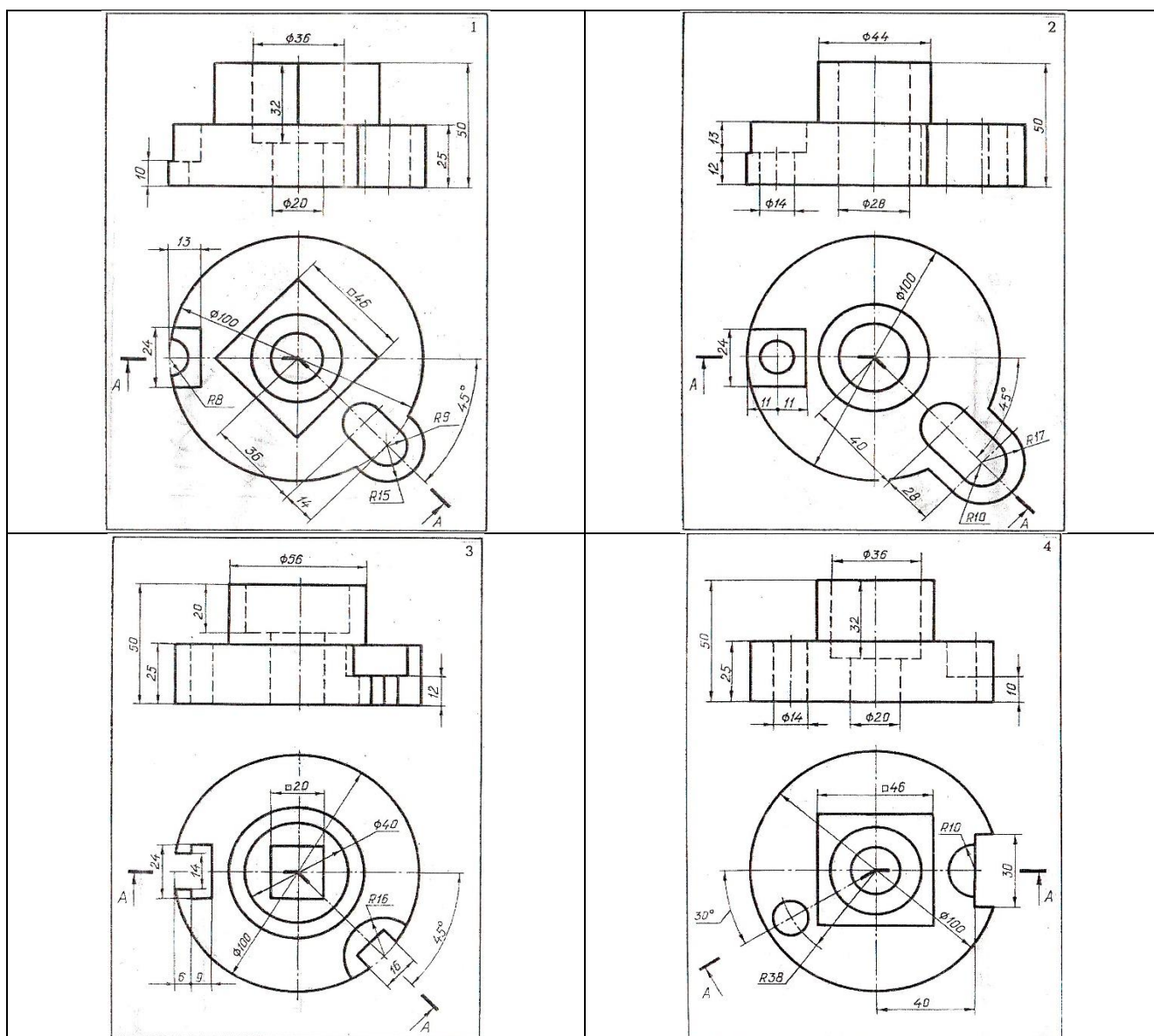
- B. Buyumning ko‘rinmas kontur chiziqlarini chizishda
 C. Buyumning o‘q va markaziy chiziqlarini chizishda
 D. Mahalliy qirqimda, tasvirni uzib ko‘rsatishda

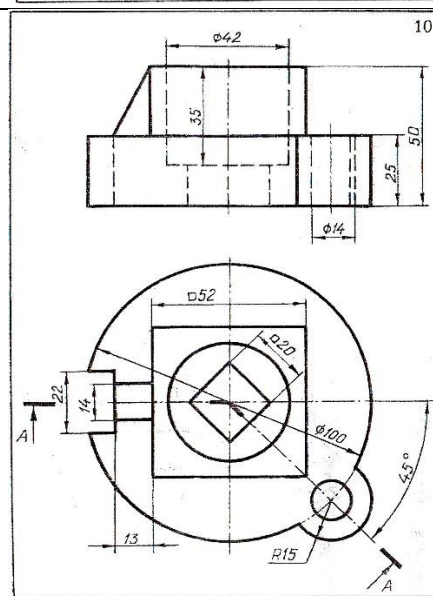
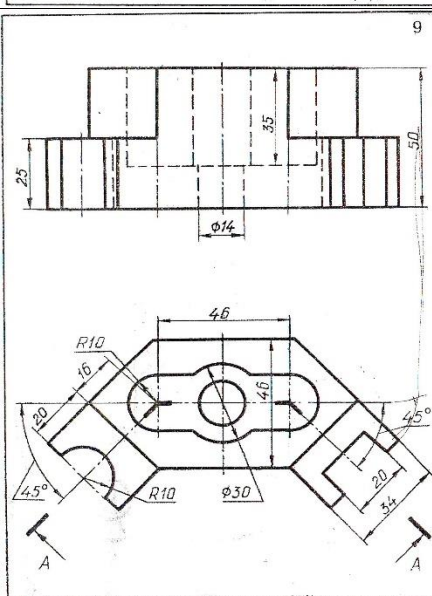
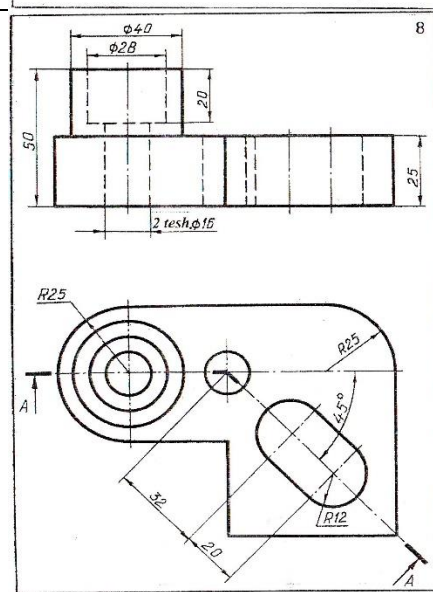
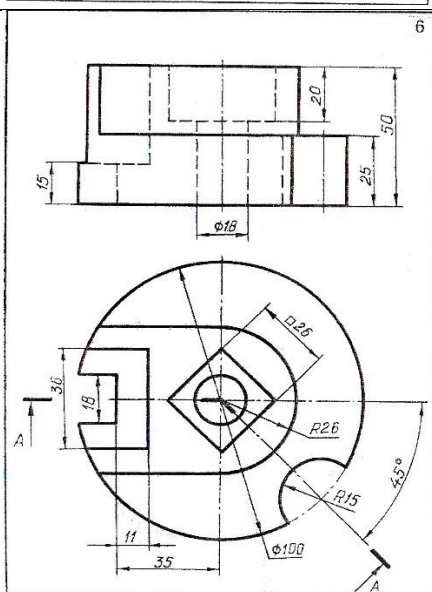
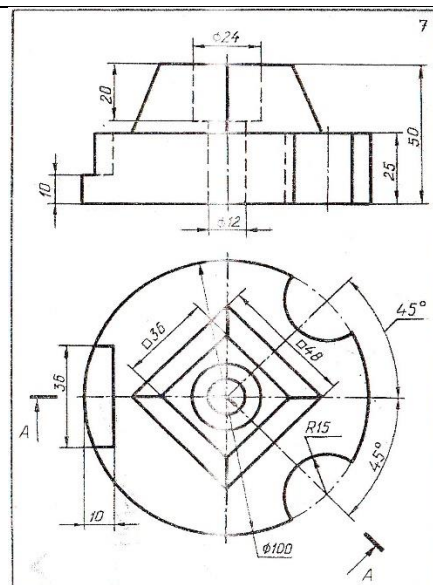
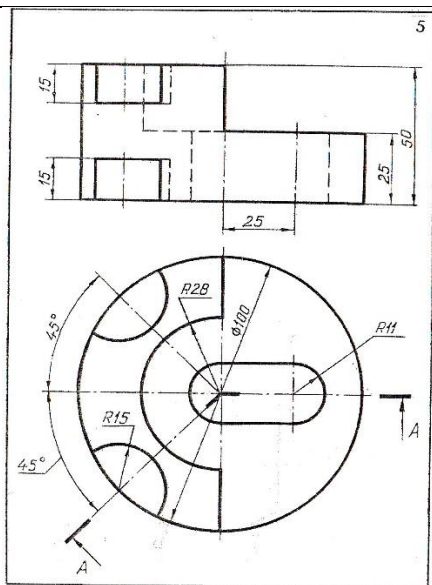
Savol:	1	2	3	4	5	6	7	8
Javob:	A	D	C	B	A	B	C	D

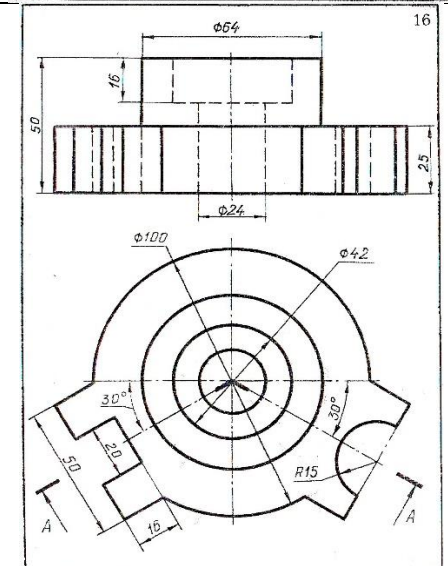
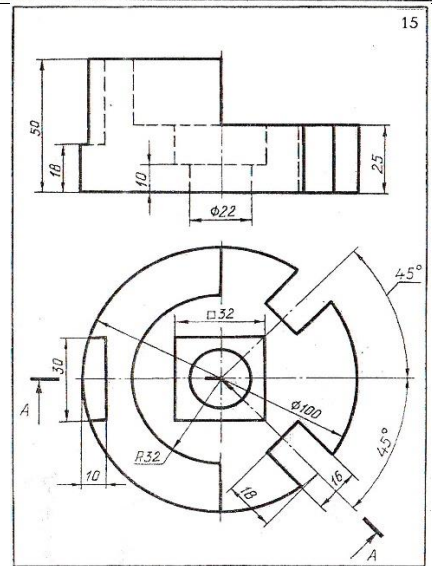
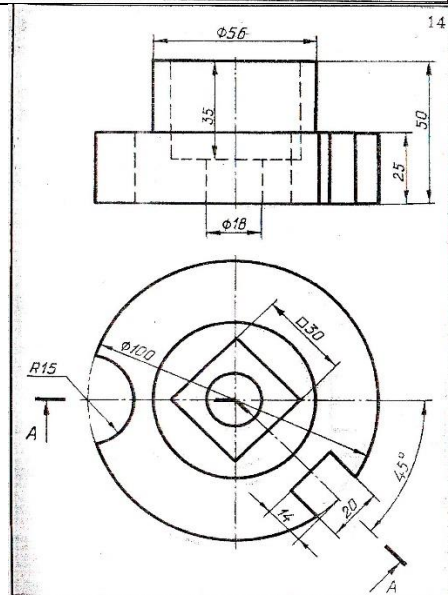
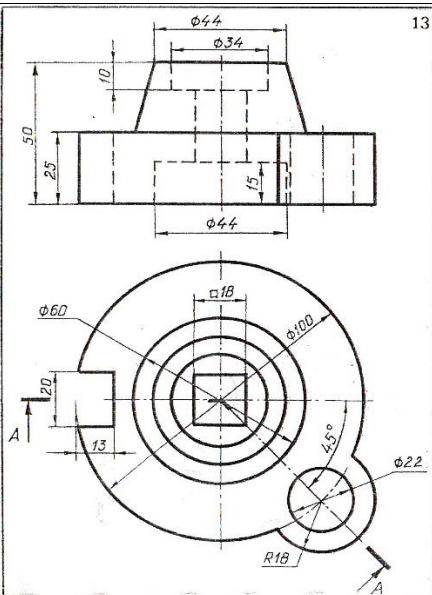
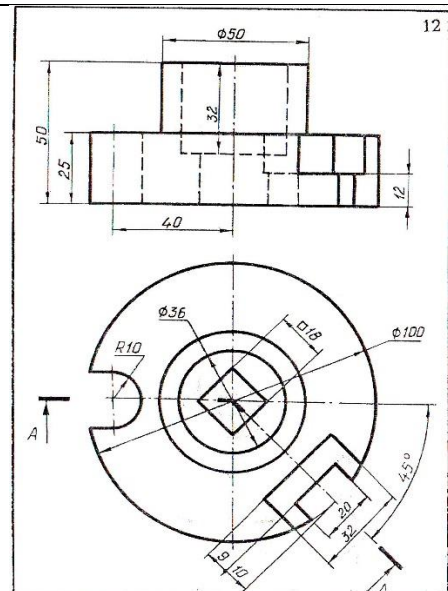
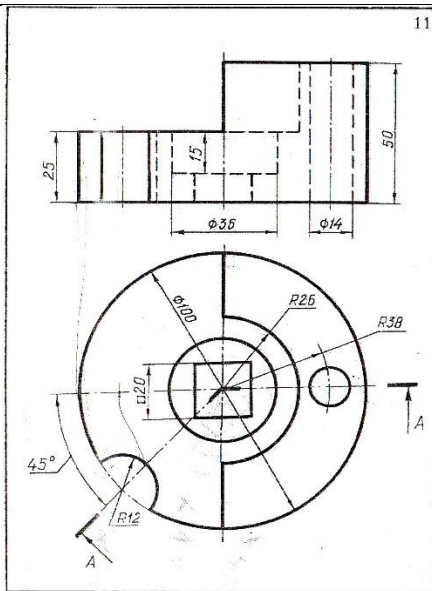
2. Mustqil ish tayyorlangan mavzu asosida yangi ped texnologiyalardan foydalangan holda dars ishlanmasini tayyorlash.

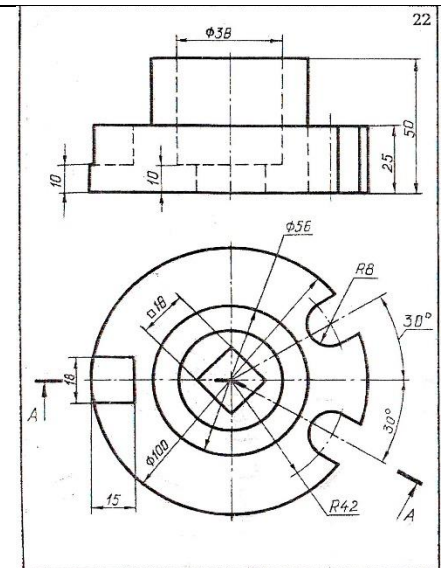
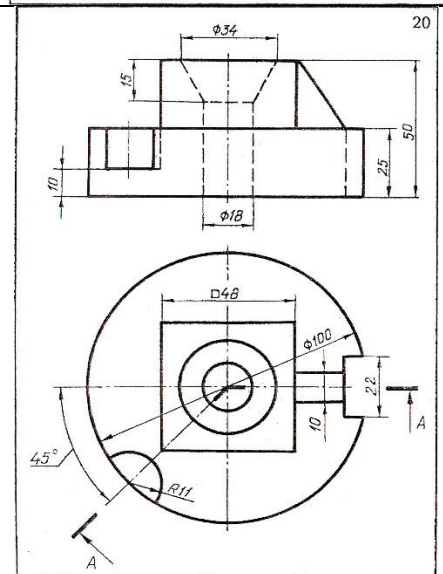
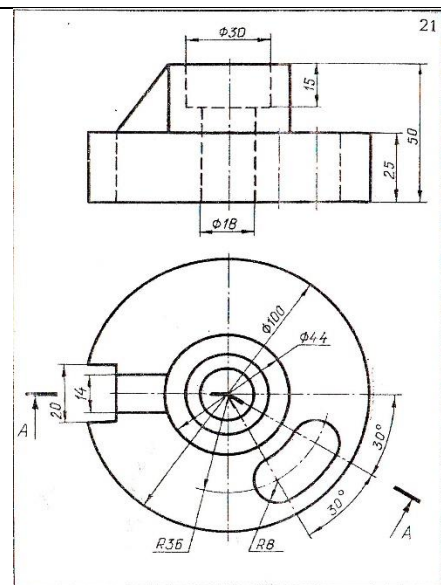
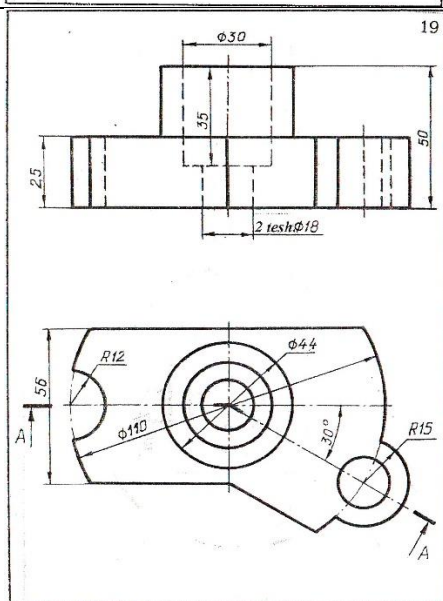
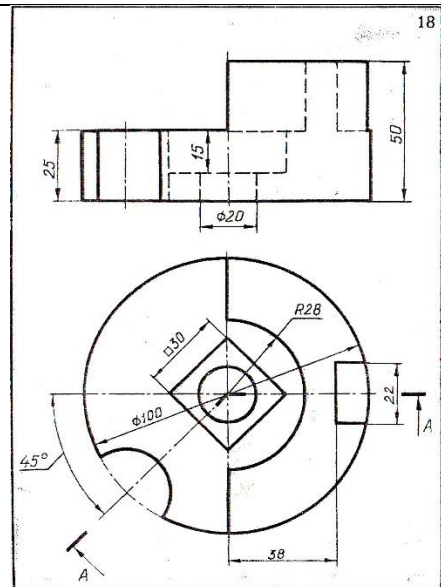
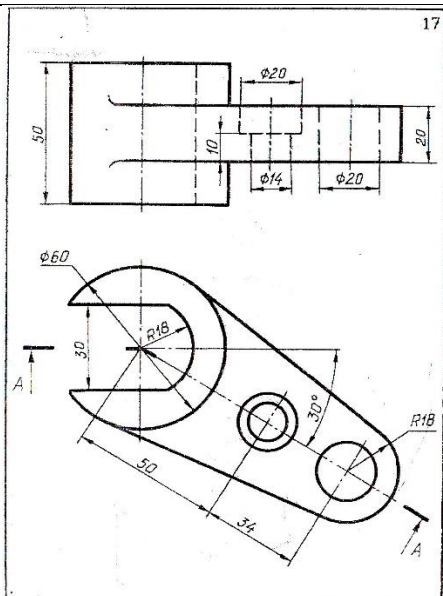
3. Mustaqil ish, taqdimot, test va dars ishlanmasining elektron shaklini diskga yozish, qog‘oz variantda chop etish va barchasini birgalikda tiktirish (pereplyot qilish).

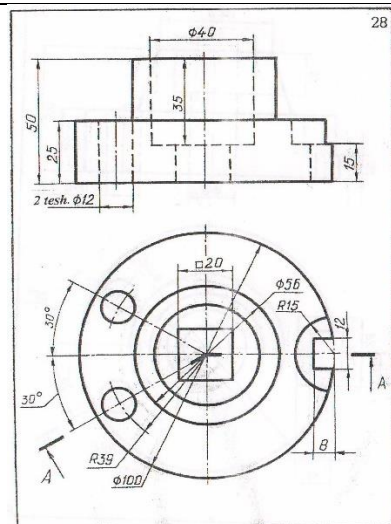
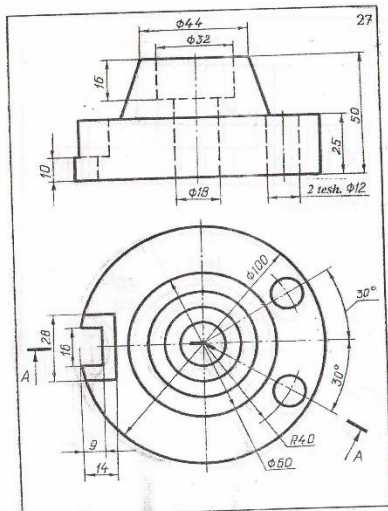
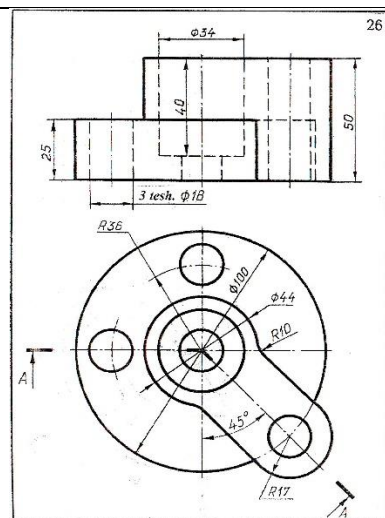
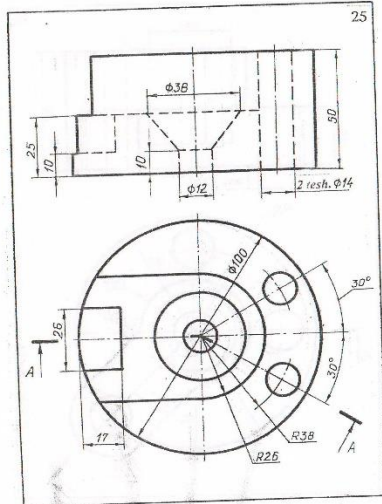
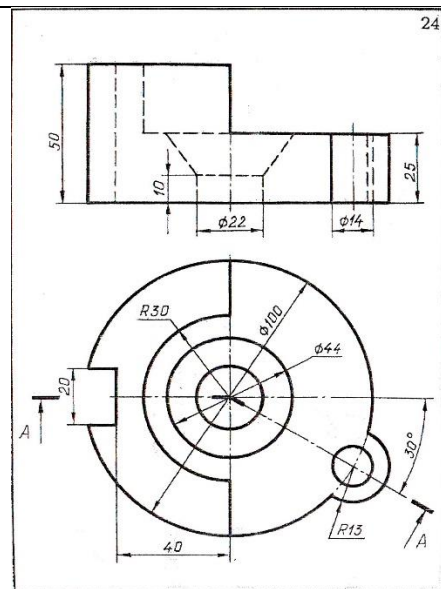
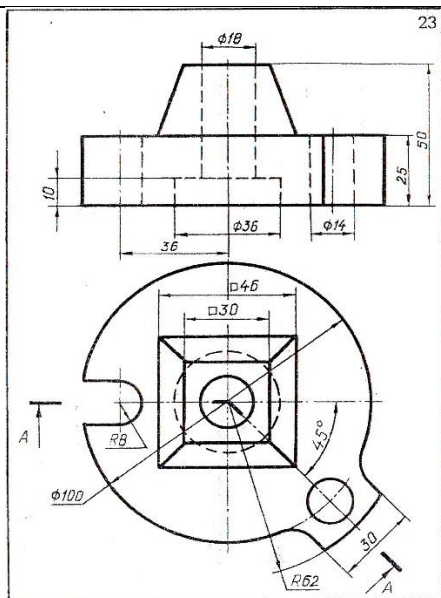
4. Nazorat savollari va grafik ishlar asosida oraliq va yakuniy nazoratlarga tayyorgarlik ko‘rish.

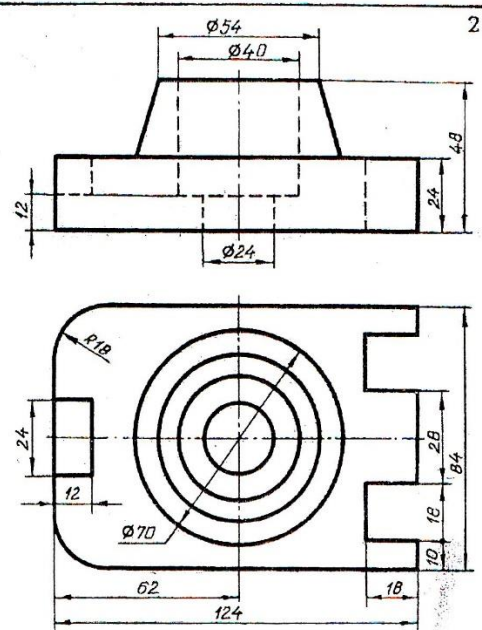
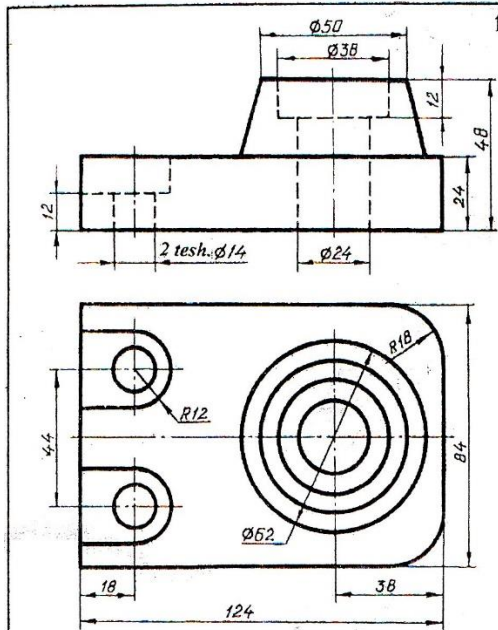
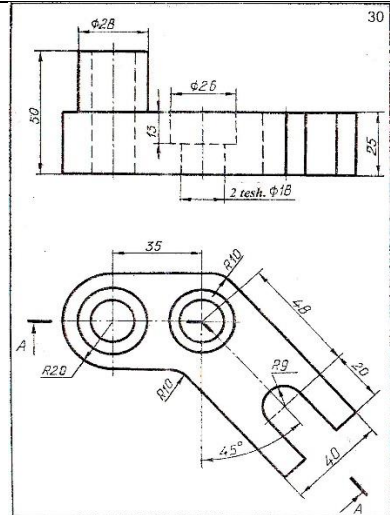
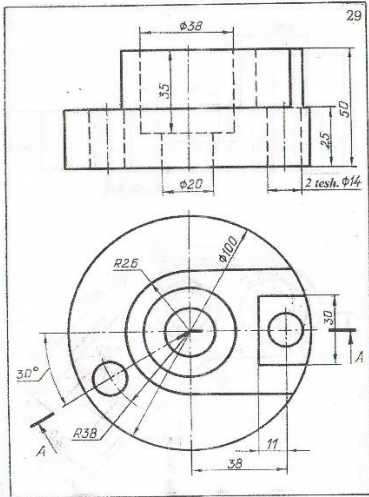


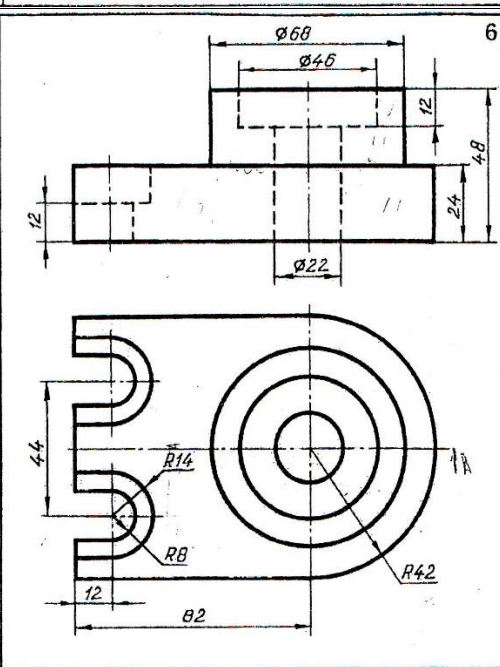
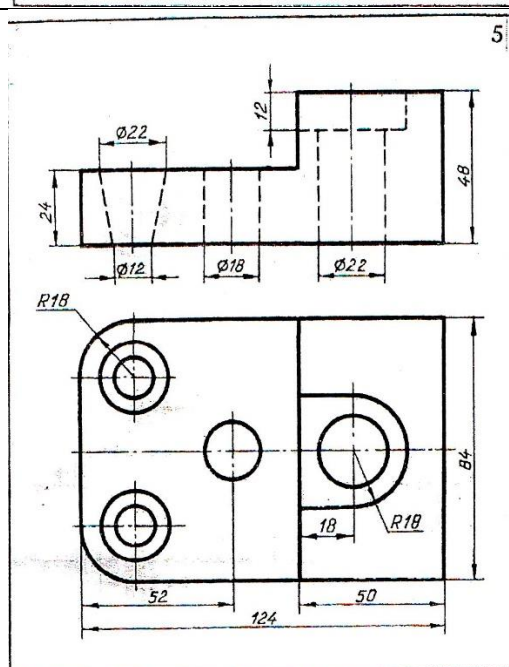
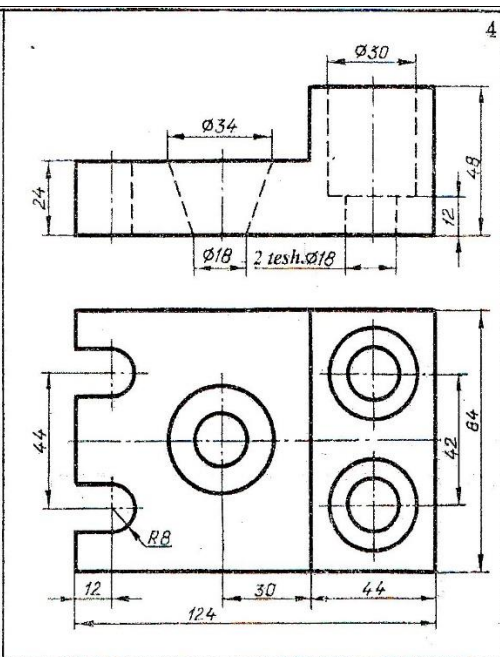
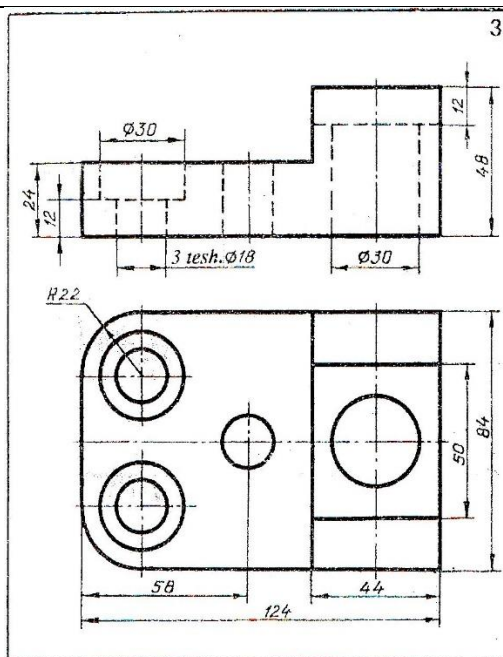


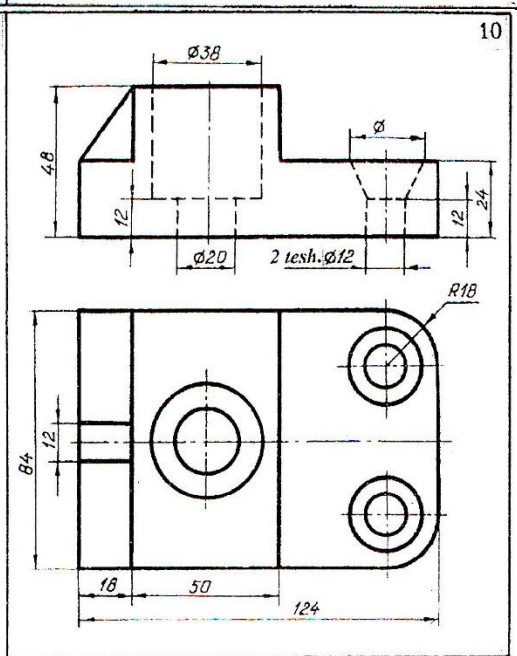
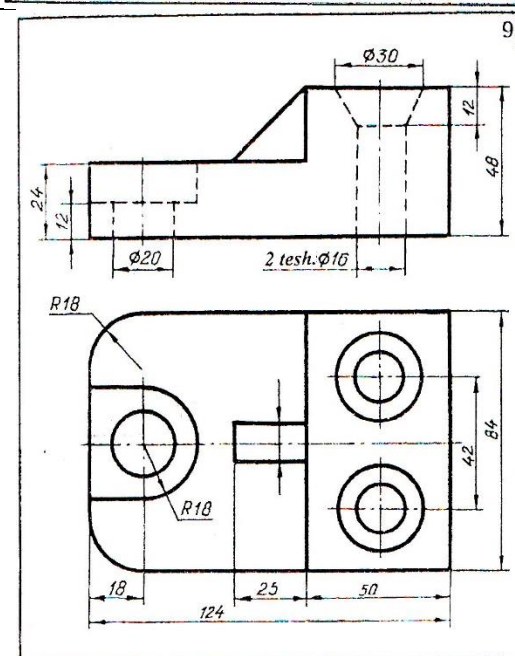
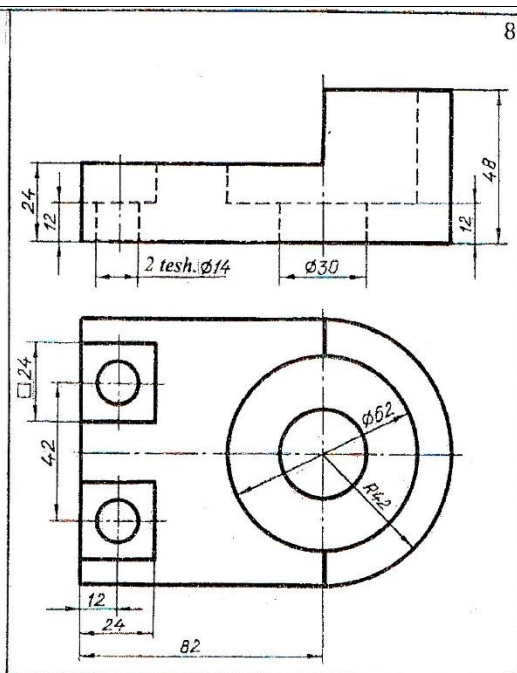
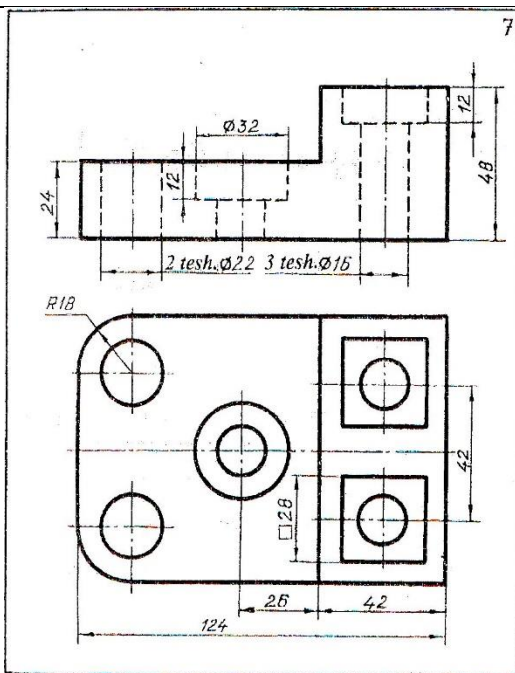


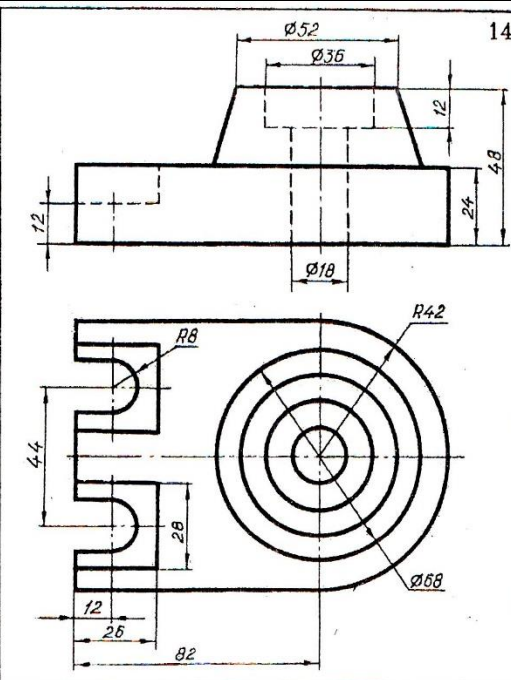
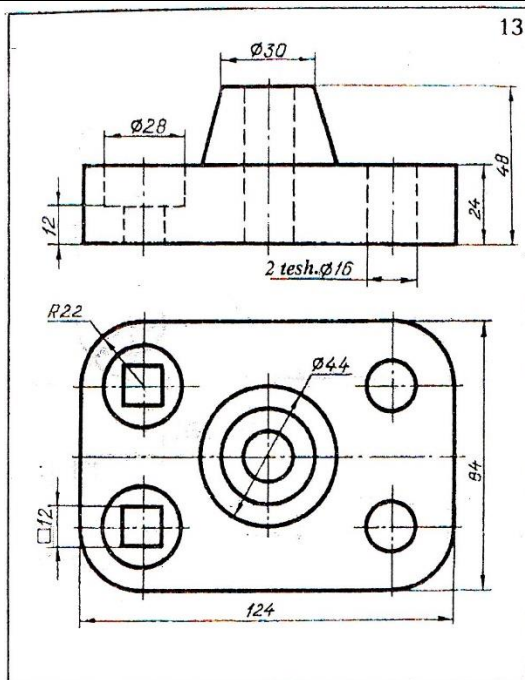
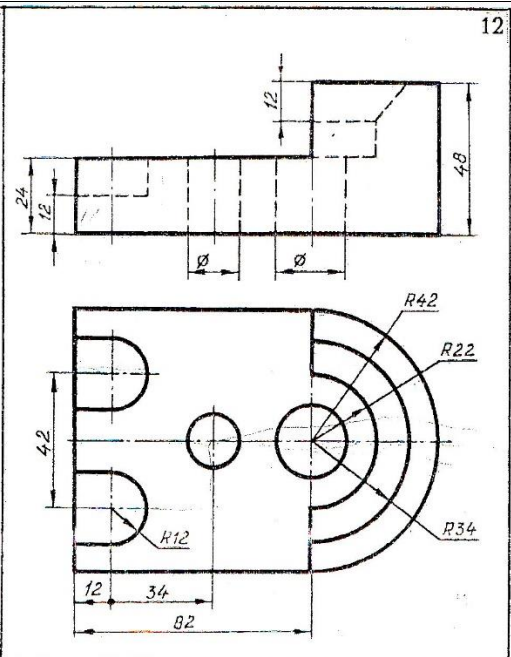
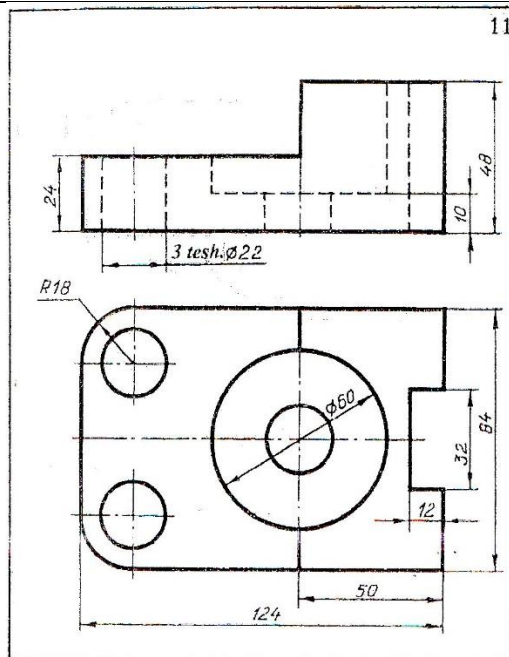




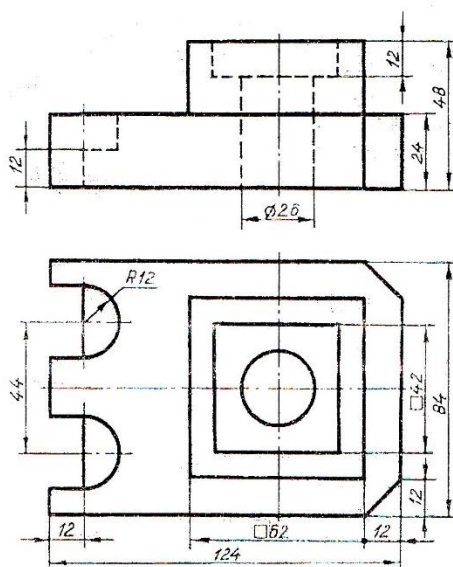




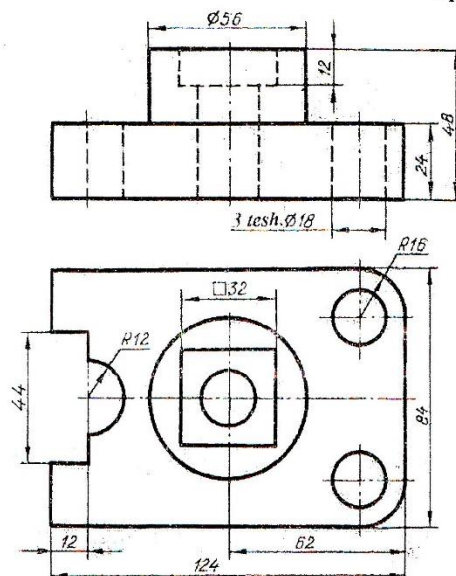




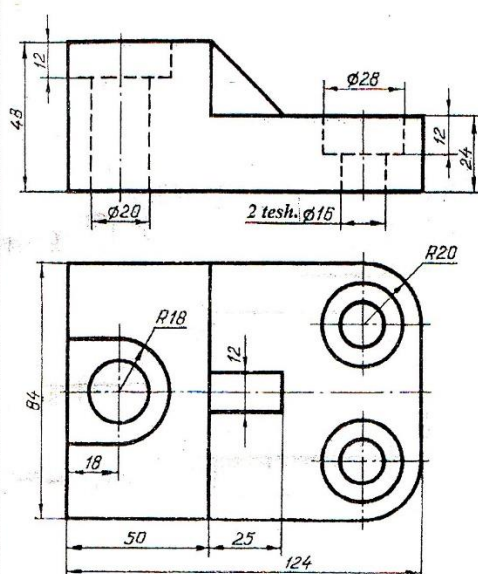
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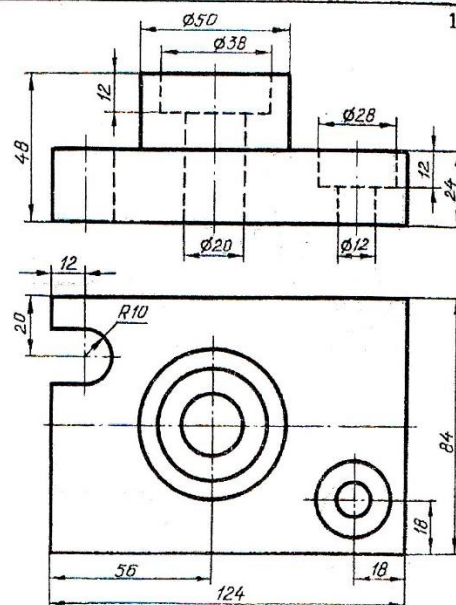
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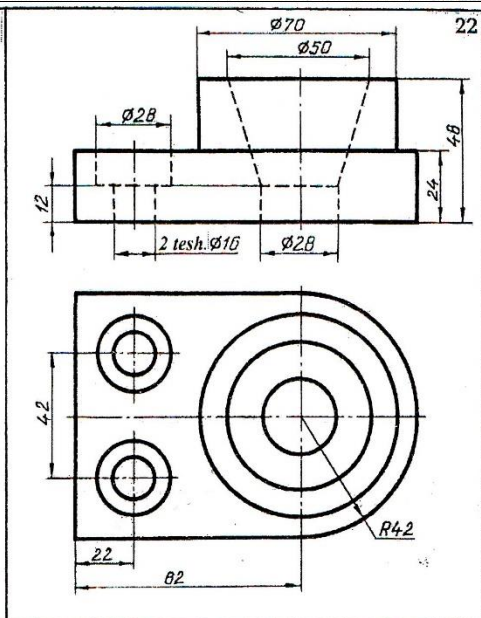
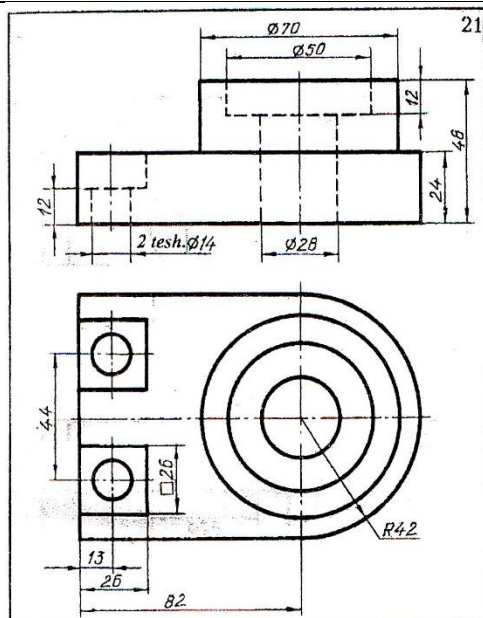
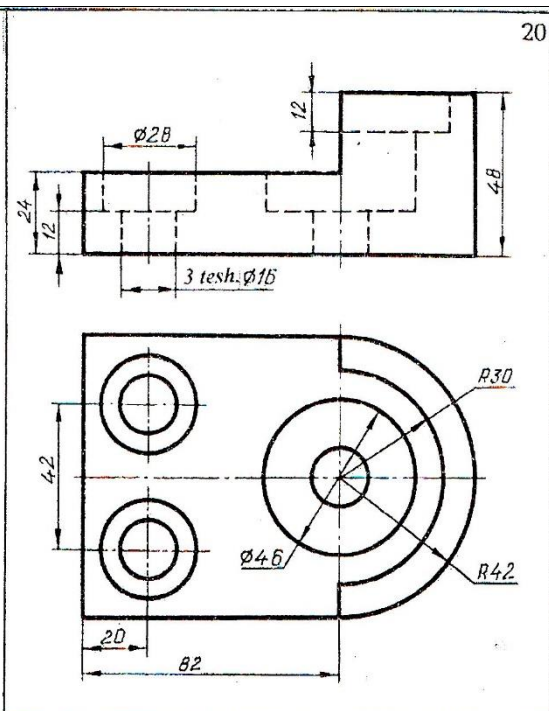
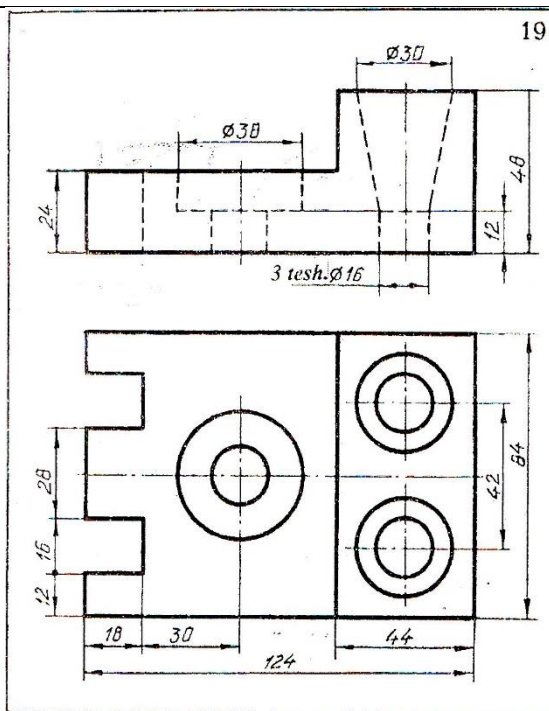


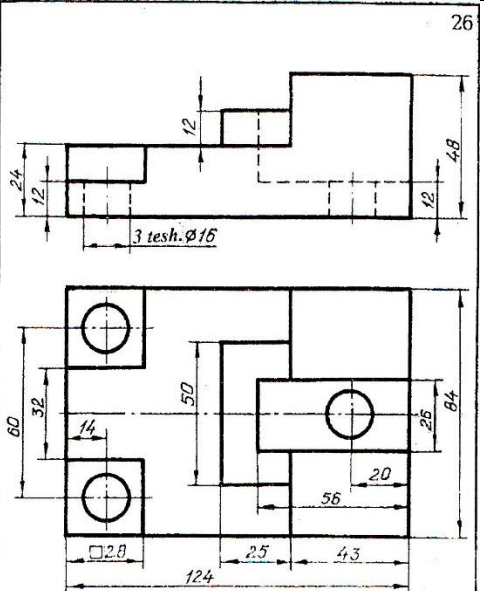
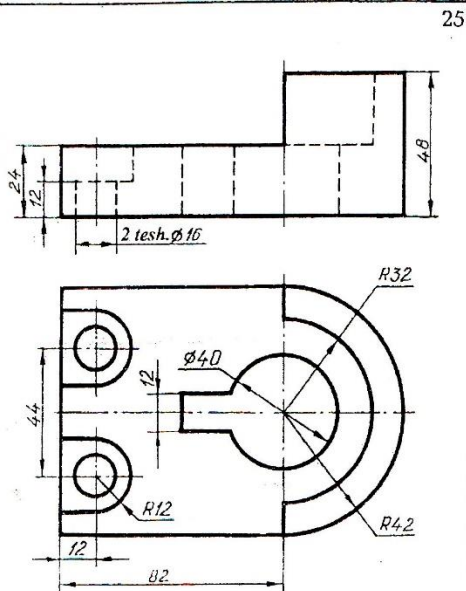
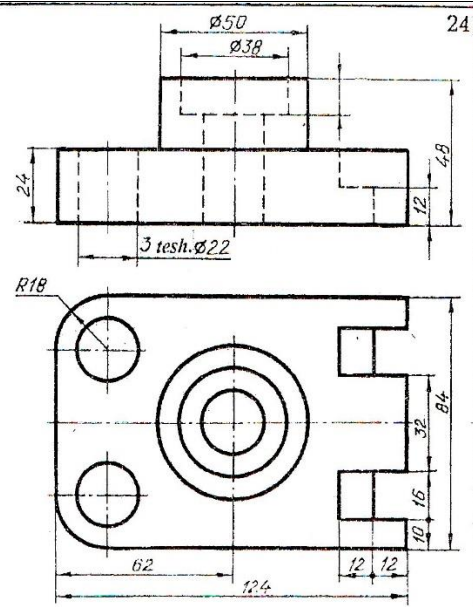
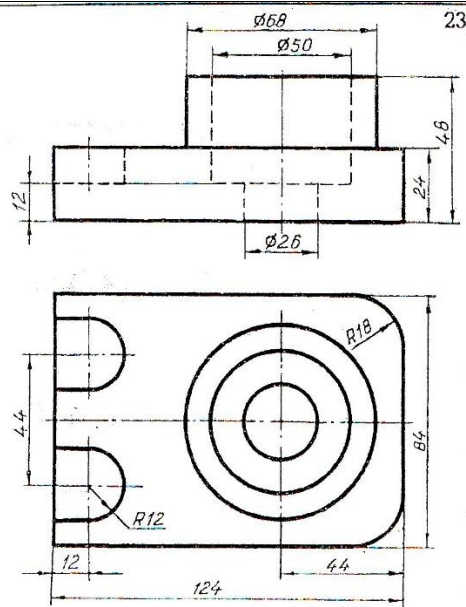
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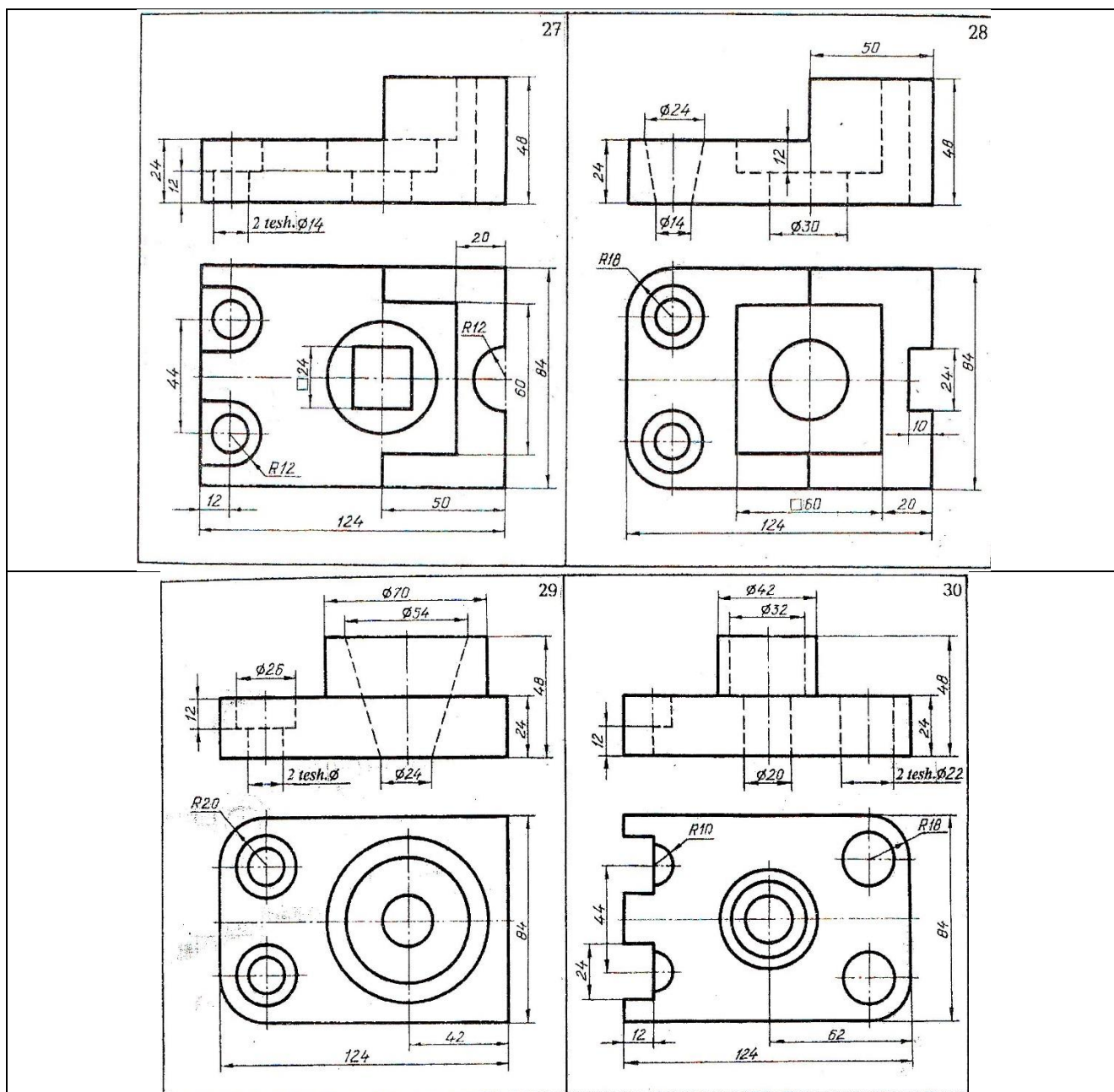


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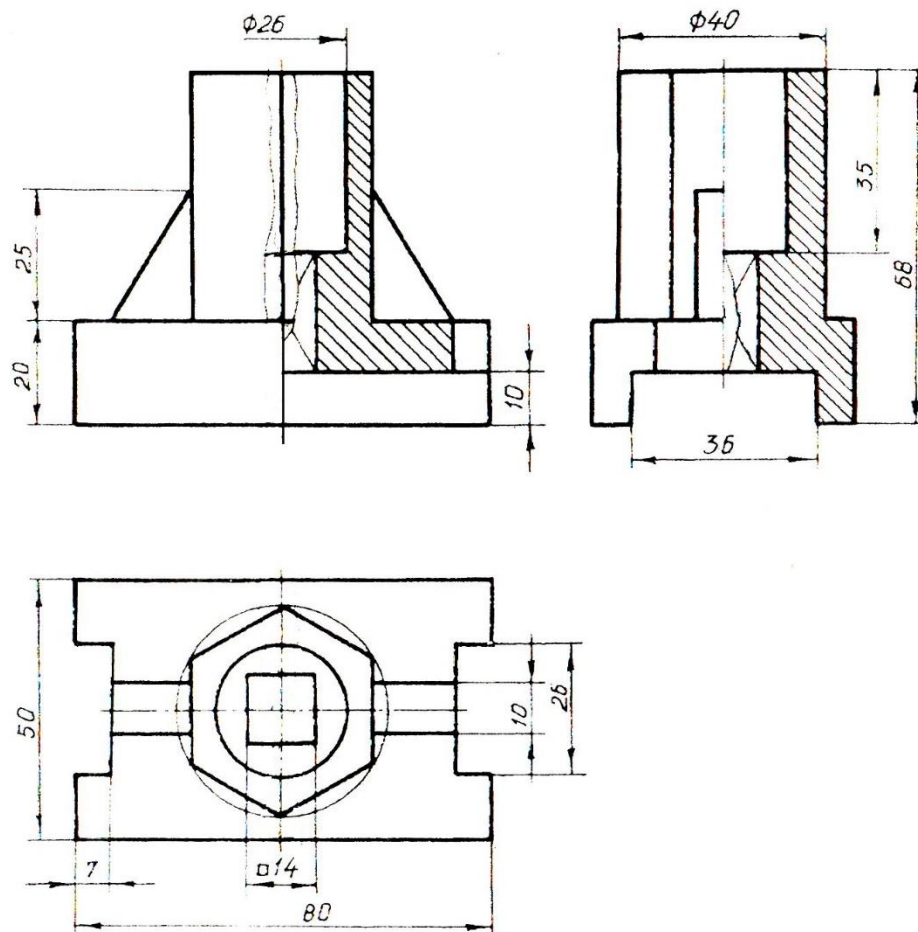






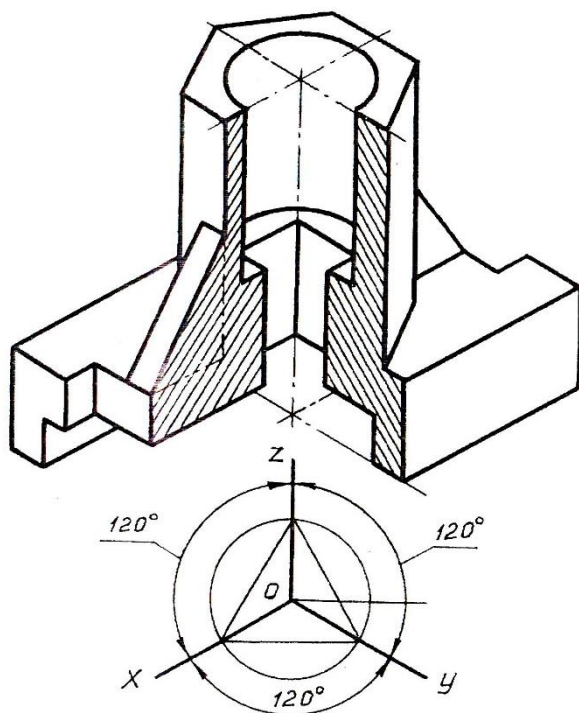
Modelning berilgan ikki proyeksiyasi asosida uning yetishmovchi uchinchi proyeksiyasi va to'g'ri burchakli izometrik va dimetrik proyeksiyasini qurish. Uchta va aksanometrik proyeksiyalarida kerakli qirqimlar bajarish (11 rasm).

Variantlar 9- jadvaldan olinadi.

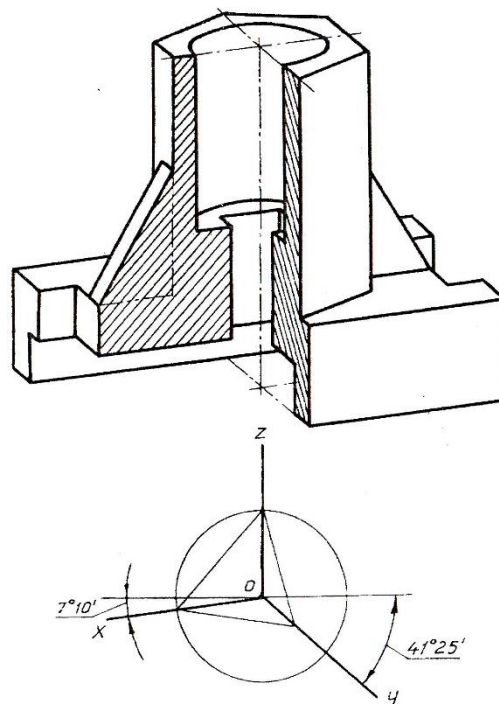


11 rasm

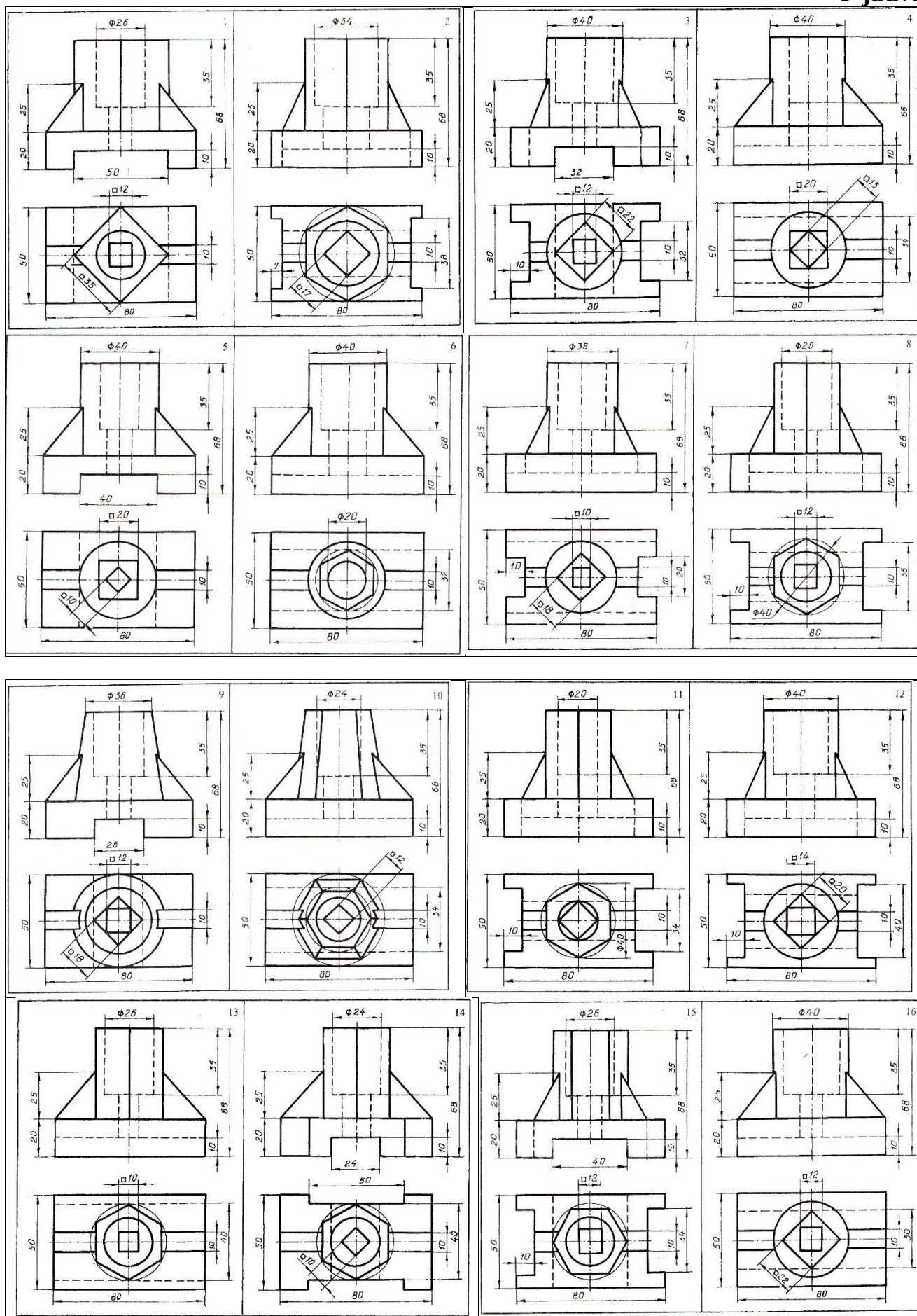
To'g'ri burchakli izometriya
 $a:b:c=1:1:1$

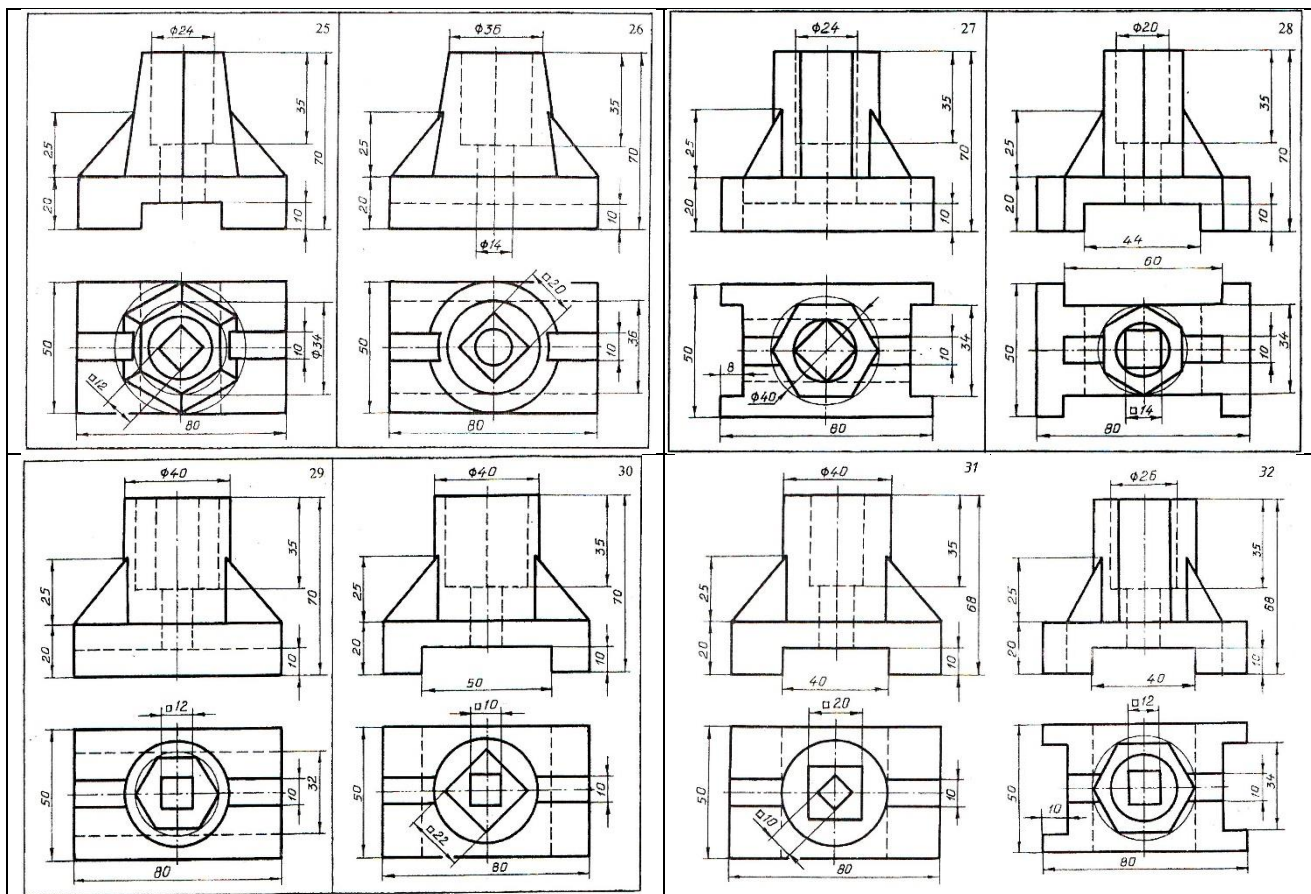
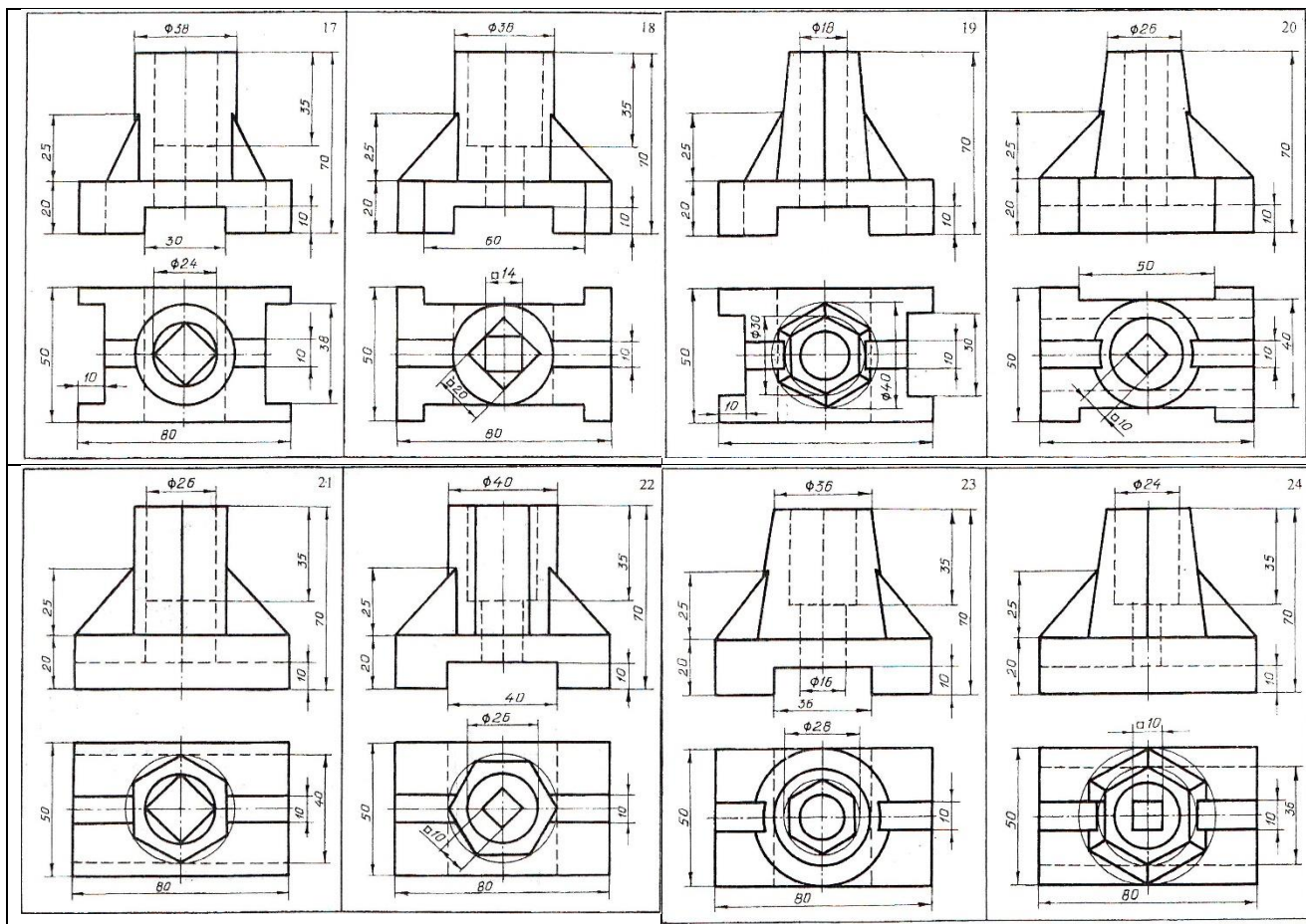


To'g'ri burchakli dimetriya
 $a:b:c=1:1/2:1$



11 rasm





GLOSSARIY

№	O'zbekcha	Ruscha	Inglizcha
1	Vatman	Ватман	Whatman paper
2	Vertikal	Вертикальный	Vertical
3	Gorizontal	Горизонтальный	Horizontal
4	Gotovalnya	Готовальня	Case of drawing instruments
5	Detal	Деталь	Detail
6	O'lchash	Измерять	To measure
7	Tasvirlash	Изобразить	To represent
8	Tasvir	Изображение	Image
9	Asbob	Инструмент	Tool, instrument
10	Qadoq, knopka	Кнопка	Button
11	Egri	Кривая	Curve
12	Lekalo	Лекало	Curve
13	Chizg'ich	Линейка	Ruler
14	Chiziq	Линия	Line
15	Aylana	Окружность	Circle
16	Parallel	Параллельный	Parallel
17	Parallellik	Параллельность	Parallelism
18	Perpendikulyar	Перпендикуляр	Perpendicular
19	Buyum, narsa	Предмет	Subject
20	To'g'ri chiziq	Прямая линия	Straight line
21	Xoshiya. ramka	Рамка	Framework
22	Masofa, oraliq	Расстояние	Distance
23	O'chirgich	Резинка (ластик)	Elastic eraser
24	Reysfeder	Рейсфедер	Drawing pen
25	Transportir	Транспортир	Protractor
26	Burchak	Угол	Angle
27	Burchaklik	Угольник	Set/square
28	Shakl	Форма	Form, shape
29	Sirkul	Циркуль	Compasses
30	Chizish	Чертить	To draw
31	Chizmachilik	Черчение	Drawing
32	Shrift	Шрифт	Printfont
33	Belgi	Знак	Sign
34	Bosh harf	Прописная буква	Capital letter
35	Yozma harf	Строчная буква	Small letter
36	Balandlik	Высота	Height
37	Qator	Строка	Line
38	Og'ma	Наклон	Inclination
39	Qadam	Шаг	Step

40	To‘lqinsimon (chiziq)	Волнистая (линия)	Wavy (line)
41	Chiqarish (chizig‘i)	Выносные (линии)	Remote (lines)
42	Kontur	Контур	Contour
43	O‘q (chiziq)	Осевая (линия)	Axial (line)
44	Sirt	Поверхность	Surface
45	O‘lcham (chizig‘i)	Размерные (линии)	Dimensional (lines)
46	Qirqim	Разрез	Section
47	Kesim	Сечение	Section
48	Simmetriya	Симметрия	Symmetry
49	Iz	След	Trace
50	Shtrixlash (chiziq)	Штриховая (линия)	Shaped (line)
51	Gradus	Градус	Degree
52	Diametr	Диаметр	Diameter
53	Yoy	Дуга	Arch
54	kvadrat	Квадрат	Square
55	Metr	Метр	Meter
56	millimetr	Миллиметр	Millimeter
57	Teshik	Отверстие	Aperture
58	radius	Радиус	radius
59	O‘lcham chizig‘i	Размерная линия	Dimensional line
60	Santimetr	Сантиметр	Centimeter
61	Ko‘rsatkich, strelka	Стрелка	Arrow(Pointer)
62	Trafaret	Трафарет	Stencil
63	O‘lcham soni	Число размерное	Dimensional Number
64	Kattalik	Величина	Quantity
65	Silindr	Цилиндр	Cylinder
66	Chiziqli	Линейные	Linear
67	Kattalashtirish	Увеличение	Increase
68	Kichraytirish	Уменьшение	Reduction
69	Teorema	Теорема	Theorem
70	Uchburchaklik	Треугольник	Triangle
71	Oltiburchaklik	Шестиугольник	Hexagon
72	Urinma	Касание	Contact
73	Oval	Овал	Oval
74	Tutashma	Сопряжение	Interface
75	Giperbola	Гипербола	Hyperbole
76	Direktrisa	Директриса	Directrix
77	Tish	Зуб	Tooth
78	Konsentrik	Концентрическая	Concentric

79	parabola	парабола	Parabola
80	Yasash	Построение	Construction
81	Spiral, o'rama	Спираль	Spiral
82	Fokus	Фокус	Focus
83	Ellips	Эллипс	Ellipse

Asosiy adabiyotlar

№	Muallif	Adabiyot nomi	Adabiyot turi	Nashr yili
1	Sh.K.Murodov va boshqalar	Chizma geometriya	Darslik	“Iqtisod-moliya”, 2006 yil
2	J.Yo.Yodgorov	Geometrik va proeksion chizmachilik	O‘quv qo‘llanma	T., «Yangi asr avlod», 2008 yil,
3	I.Raxmonov, A.Abduraxmonov	Chizmachilikdan ma'lumotnoma	O‘quv qo‘llanma	T., “A.Navoiy Milliy kutubxonasi”, 2005 yil,
4.	I.Raxmonov	Perspektiva	O‘quv qo‘llanma	“O‘qituvchi”, 1993 yil
5.	A.Abduraxmonov	Chizmachilikdan grafik ishlar tizimi	O‘quv qo‘llanma	«Cho‘lpon», 2005 yil,
6	J.Yo.Yodgorov	Mashinasozlik chizmachiligi	Darslik	O‘zbekiston 2009 yil,

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