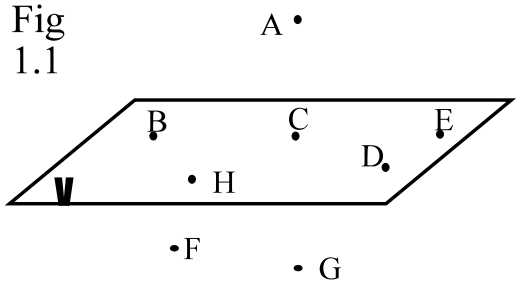
Postulates

For problems 1 - 24 refer to figure 1.1.

Fig 1.1



1) Give three collinear points in plane V.

2) Give three noncollinear points in plane V.

3) Give three coplanar points in plane V.

4) Give three coplanar points not in plane V.

5) Give a point coplanar with points B, E, and D.

6) Give a point noncoplanar with C, H, and D.

7) Give a point noncoplanar with points B, C, and F.

8) Give a point coplanar with B, C, and F.

9) Give four noncoplanar points.

10) Give four coplanar points.

11) How many planes contain Points B, C, and F?

12) How many planes contain points B, C, and E?

13) Give three collinear points not all in plane V

14) Point D and point F are contained in which line?

15) What is the intersection of line AG and line BE?

16) What is the intersection of line BG and plane CDE?

17) What is the intersection of line CD and plane V?

18) What is the intersection of line CF and line DC?

19) What is the intersection of line EG and line AE?

20) How many planes contain points A, C, and G?

21) What is the intersection of line AG and plane V?

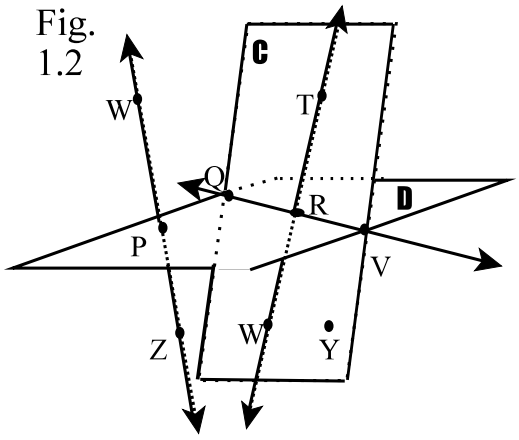
22) Points H and F are contained in how many lines?

23) How many lines contain points A, C, and G?

24) How many lines are defined by points B, C, and F?

For problems 25 - 37 refer to figure 1.2.

Fig. 1.2



25) Give two sets of collinear points in plane C.

26) Give a set of collinear points not in plane WYR.

27) Give three noncollinear points in plane D.

28) Give a point in plane C not collinear with points T and R.

29) Give a point coplanar with points P, Q, and V.

30) Give a point not coplanar with points T, Q, and R.

31) Give a point coplanar with points P, X, and Q

32) What is the intersection of plane PQR and plane C?

33) Name the plane containing points Q, V, and P.

34) What is the intersection of line TW and line QV?

35) How many planes contain points Q, R, and V?

35) What is the intersection of line PZ and line RP?

36) What is the intersection of plane RVP and line WZ?

37) What is the intersection of line TR and plane C?