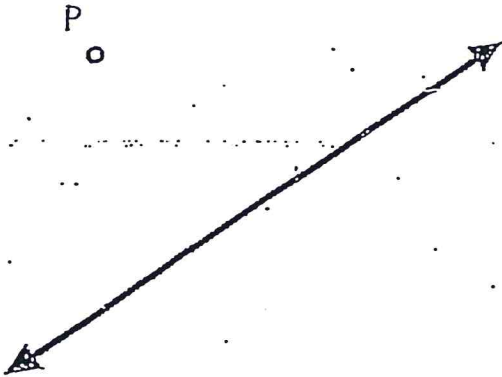


Geometry Worksheet

Constructions 3.1-3.4

1. Construct the perpendicular through point P to the line.

A)



B)



2. Construct $1/4 AB$.



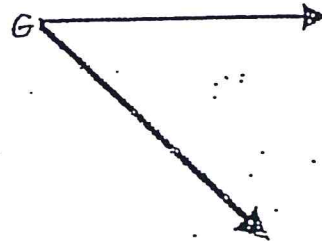
3. Construct $JO = 3CD - 1/2 AB$



4. Construct a right isosceles triangle with the two legs equal to CD.



5. Construct an obtuse triangle XYZ with $m\angle X = m\angle G$ and $XZ = CD$. Can you construct a different triangle with the same stipulations?



6. Construct triangle OPQ with $OP = AB$, $PQ = CD$, and $OQ = EF$.

Construct median PM.

7. Construct triangle LMN with $MN = CD$, $LN = EF$, and $m\angle N = m\angle G$. Can you construct a different triangle with the same stipulations?

Construct altitude LT.