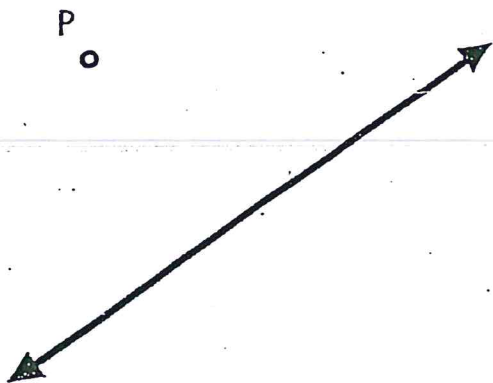


# Geometry Worksheet

## Constructions 3.1-3.4

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

A)



B)



2. Construct  $\frac{1}{4} AB$ .

3. Construct  $JO = 3CD - \frac{1}{2} AB$

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.

