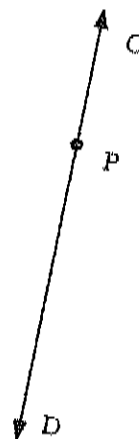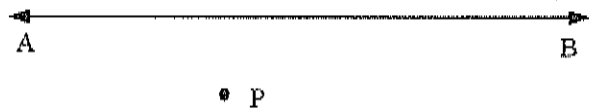# Perpendicular Lines
Do work on this sheet

1)   Construct $\overleftrightarrow{CD} \perp \overleftrightarrow{AB}$ through P
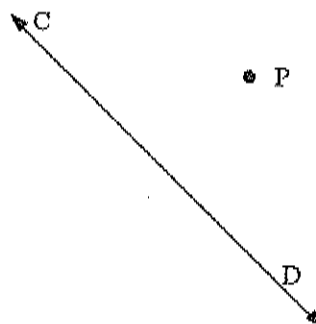
2) Construct $\overleftrightarrow{LN} \perp \overleftrightarrow{CD}$ through P

A   P   B

C

P

D

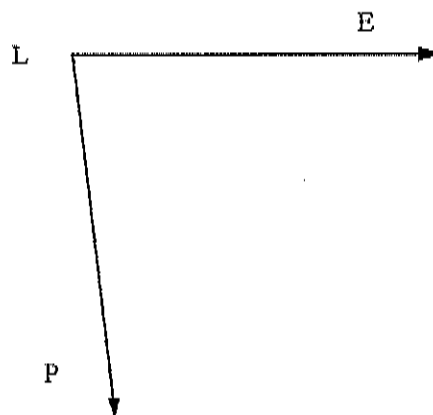3)   Construct $\overleftrightarrow{CD} \perp \overrightarrow{AB}$ through P

4) Construct $\overleftrightarrow{EM} \perp \overrightarrow{CD}$ through P

A   B

• P

C

• P

D

Continue with the work on the back

5)   Bisect <ELP

L _____ E

P

6)   Construct BE $= 2\frac{1}{2}\left(\overline{GH}\right)$

H

G

7)   The formula for changing Celsius temperature (C) to Fahrenheit temperature (F) is $F = \frac{9}{5}C + 32$. Calculate the Fahrenheit temperature when the Celsius temperature is -12°.

8)   Solve: $30 - 0.18x = 0.42x - 0.66$

9)   The sum of the ages of Jane, Martha, and Tina is 48. If their ages can be represented by consecutive even integers, what is Martha's age (the oldest girl)?