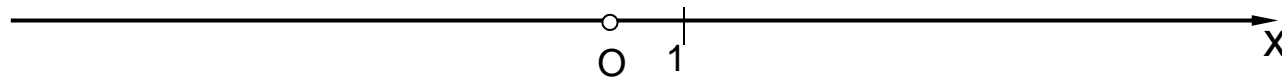


- a) Points A,B,C,D,E and F are given by polar coordinates. Locate these points correctly.
A(3/ 50°), B(4/ 75°), C(3,5/130°), D(4,5/ 165°), E(5/ 220°), F(6/ 290°)

additional worksheet to



DARSTELLENDEN GEOMETRIE
3D-GEOMETRIE

- b) Time can be read based on the position of the vertex of hour hand and minute hand. Each vertex moves along a circle. The vertex M of the minute hand moves along radius r_M (outer circle in the clock face). The vertex H of the hour hand moves along radius r_H (smaller circle in the clock face). Show the given time on the watch. Locate the position of each hand by polar coordinates, if the pol is the midpoint of the watch and the x-axis is identical to the number line "3 hours" of the clock face.

additional worksheet to

DARSTELLENDEN GEOMETRIE

3D-GEOMETRIE

i) 2:00 iii) 6:45 v) 11:10

M(.....)
H(.....)

M(.....)
H(.....)=
H(.....)

M(.....)
H(.....)

ii) 3:30 iv) 10:15 vi) 11:55

M(.....)=
M(.....)
H(.....)=
H(.....)

M(.....)
H(.....)

M(.....)
H(.....)