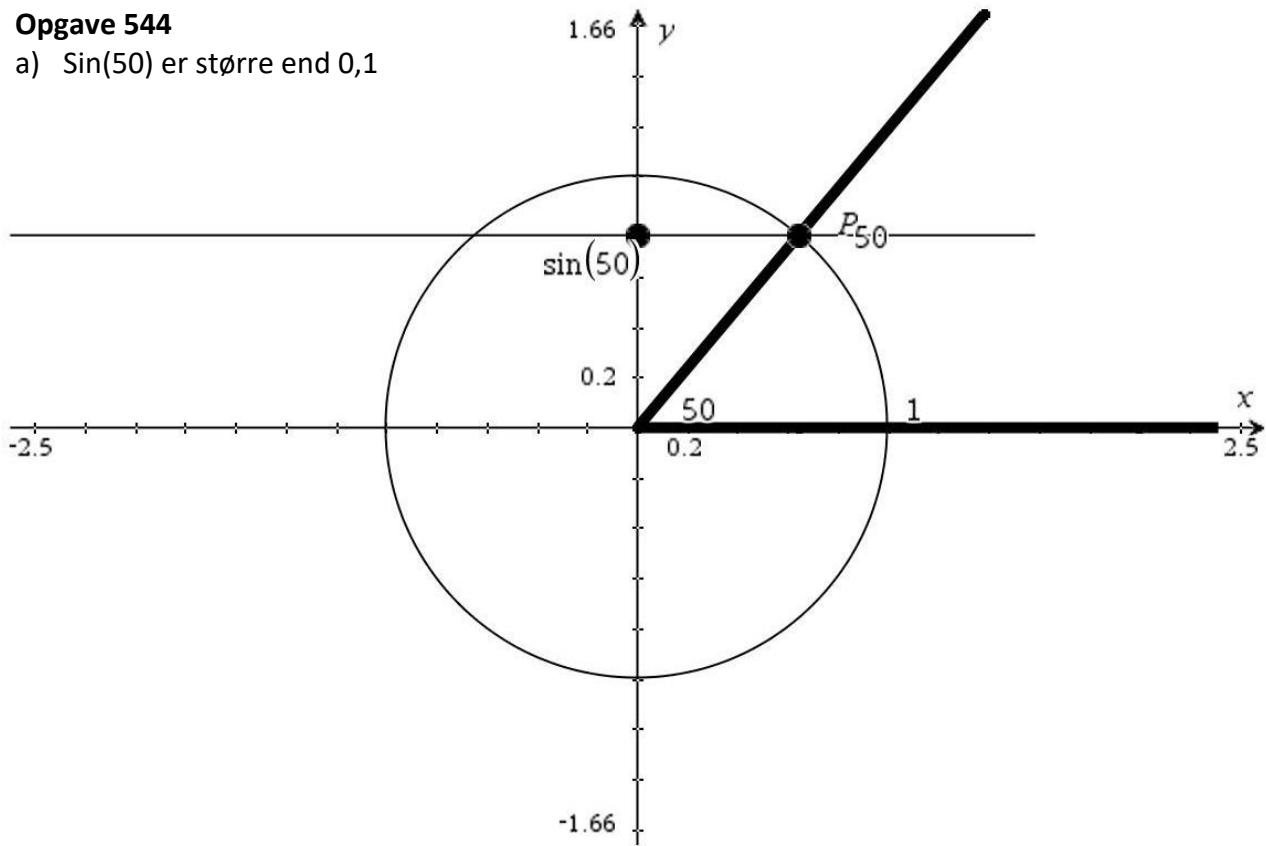


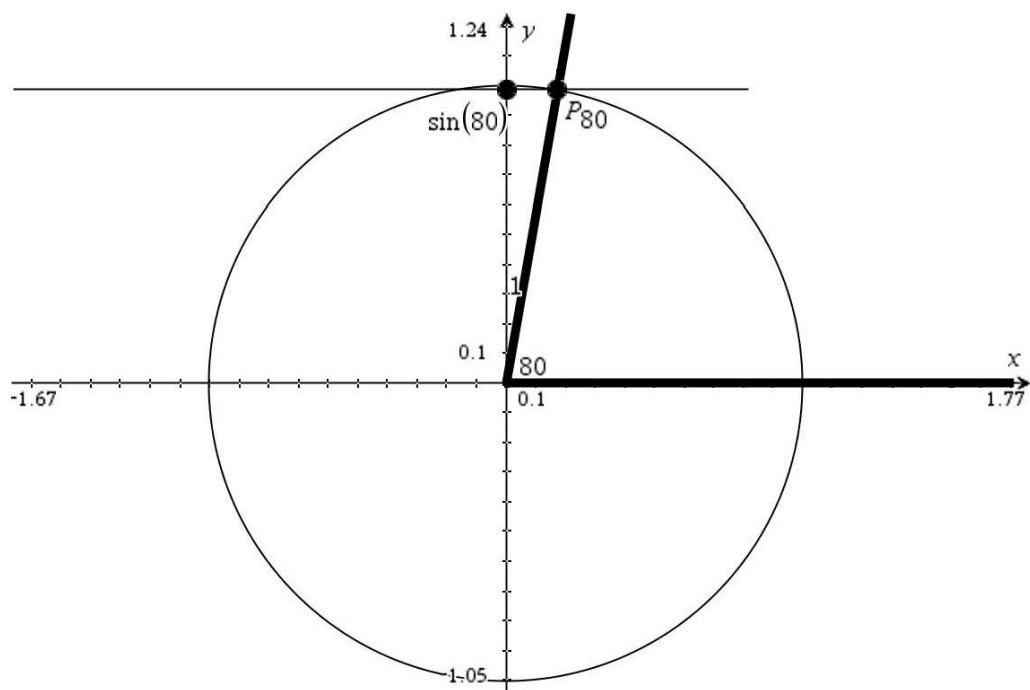
## Facit til Kernestof Mat 1 – side 114

### Opgave 544

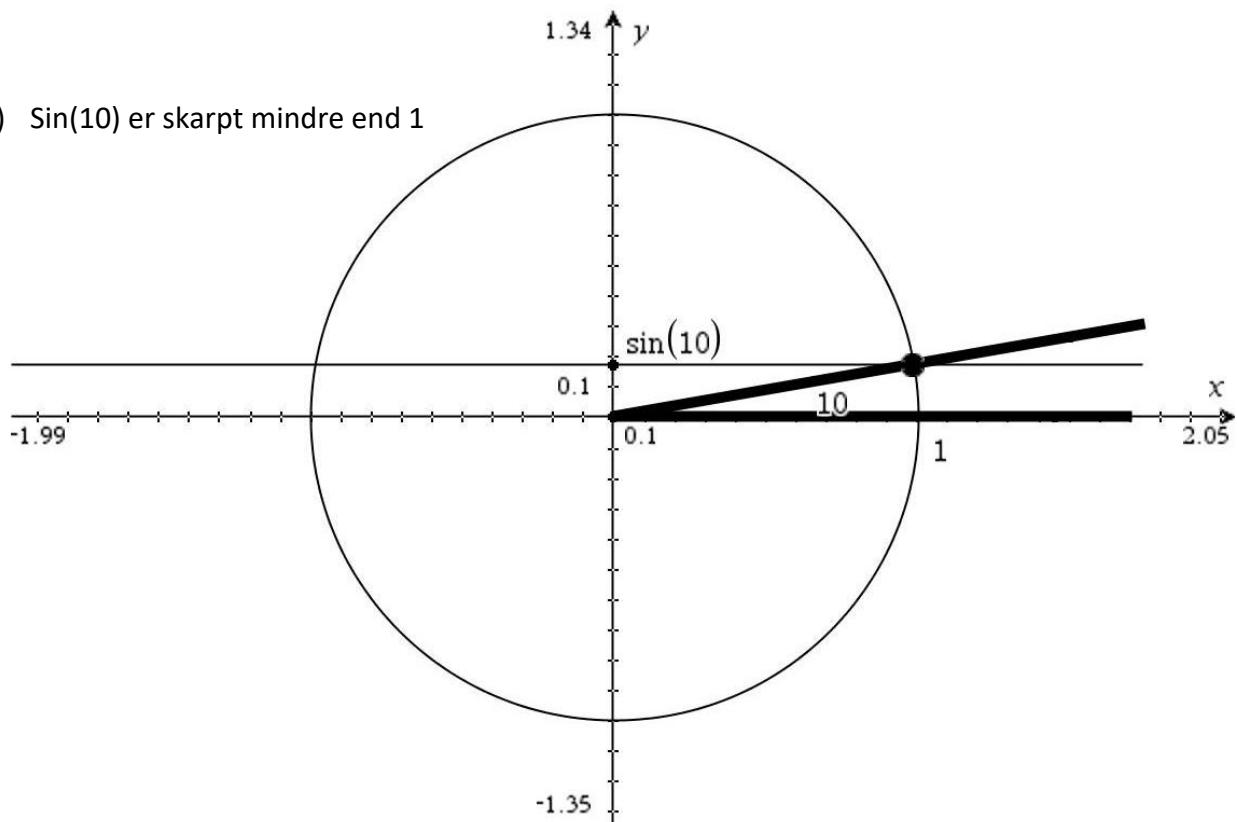
a)  $\sin(50)$  er større end 0,1



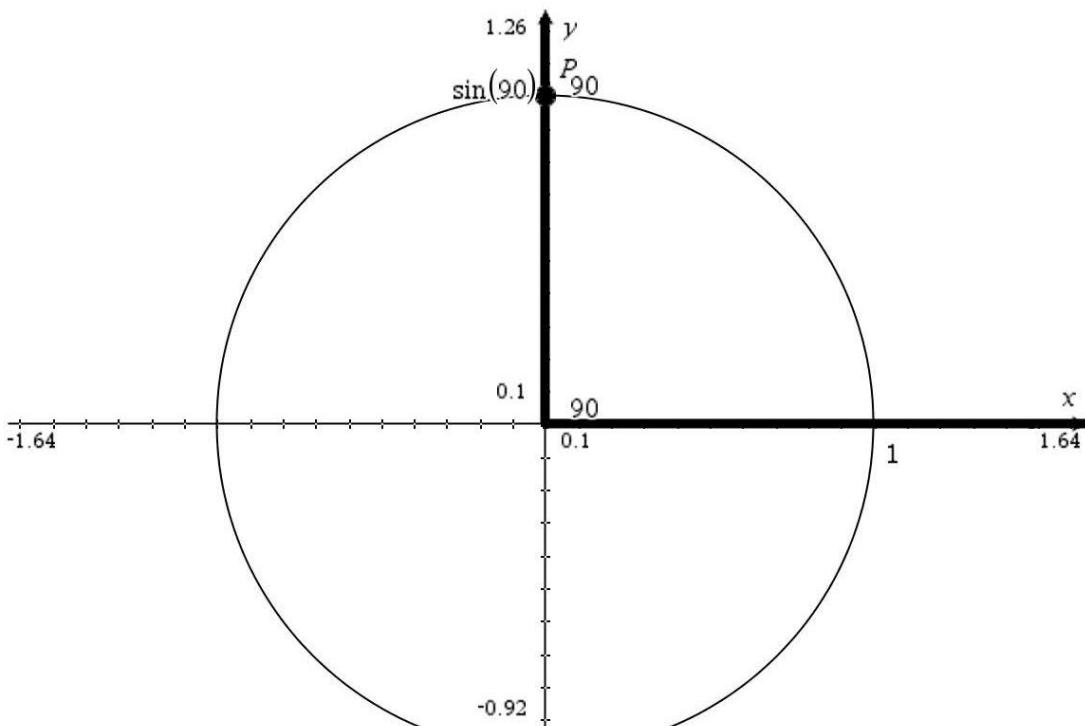
b) Vi ser på skitsen at  $\sin(80)$  er tæt på 1, så tydeligt større end 0,5



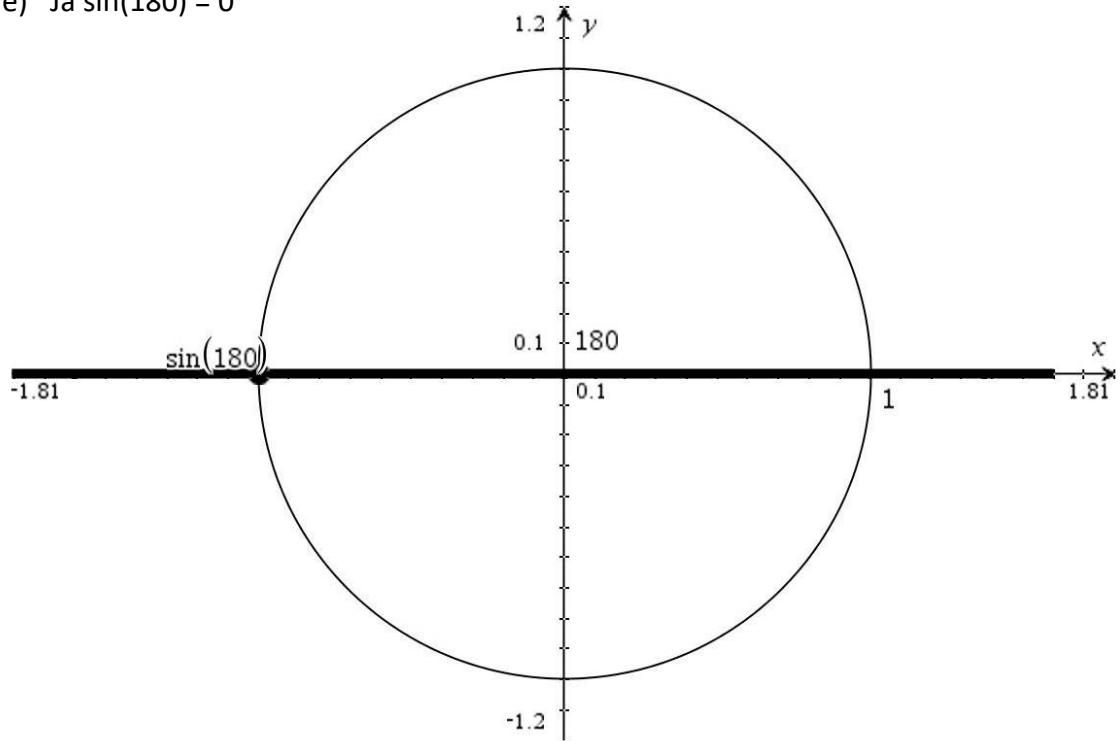
c) Sin(10) er skarpt mindre end 1



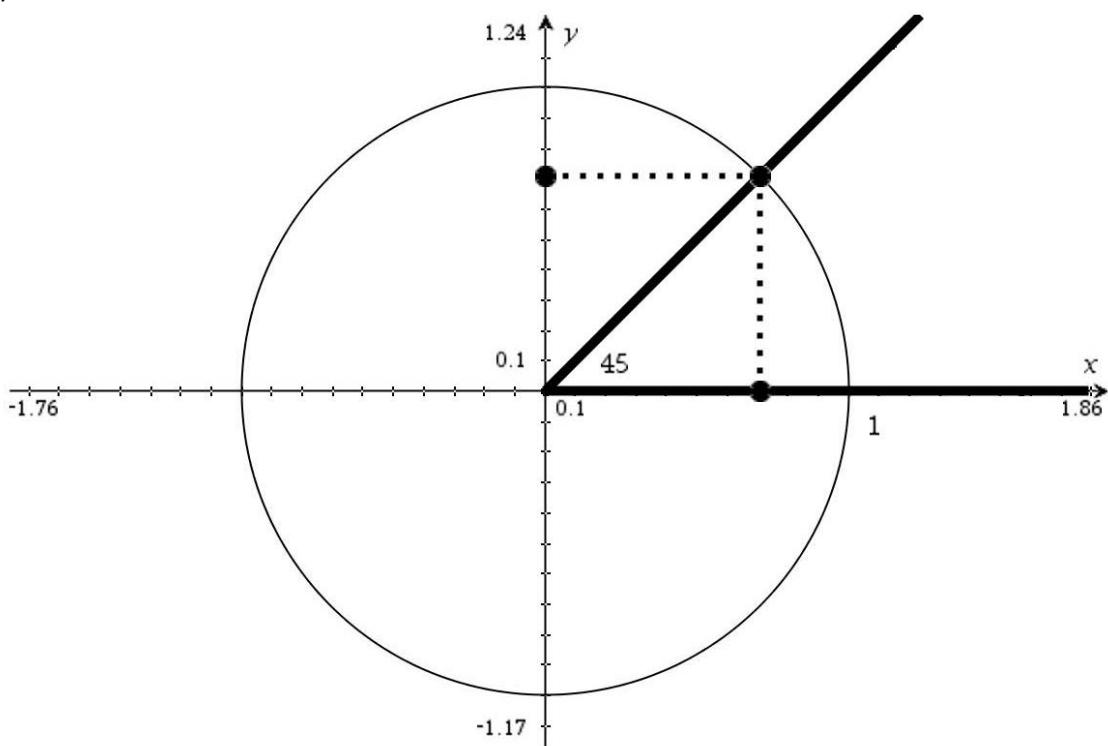
d) Nej sin(90) = 1



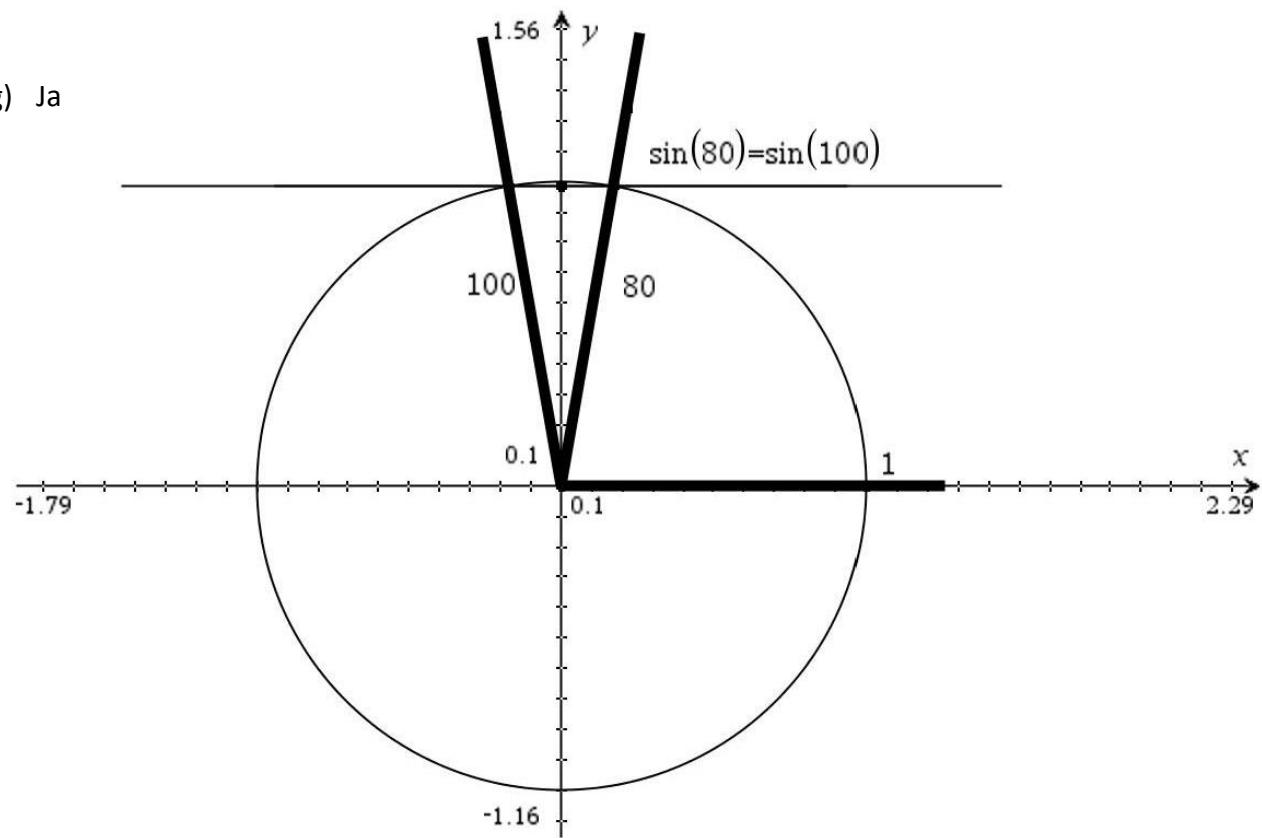
e) Ja  $\sin(180) = 0$



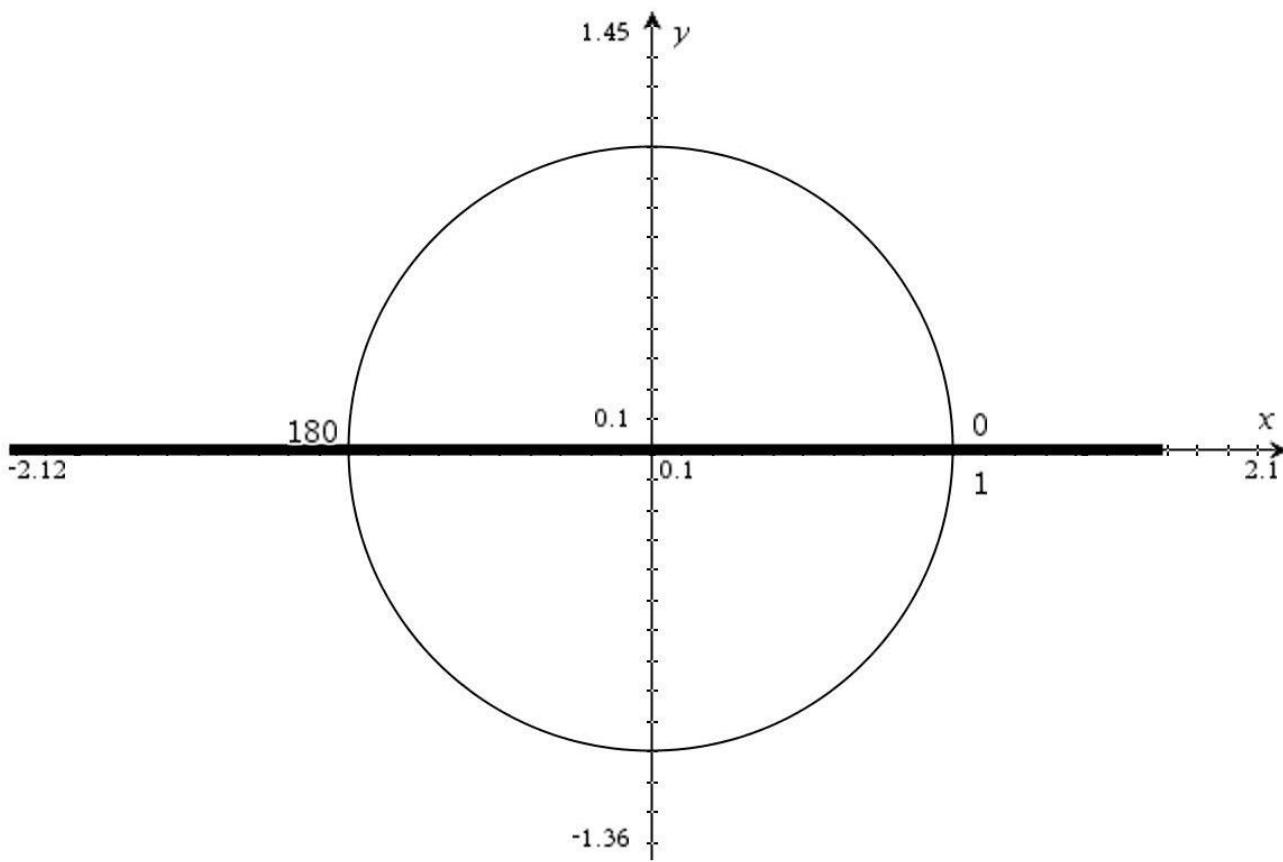
f) Ja



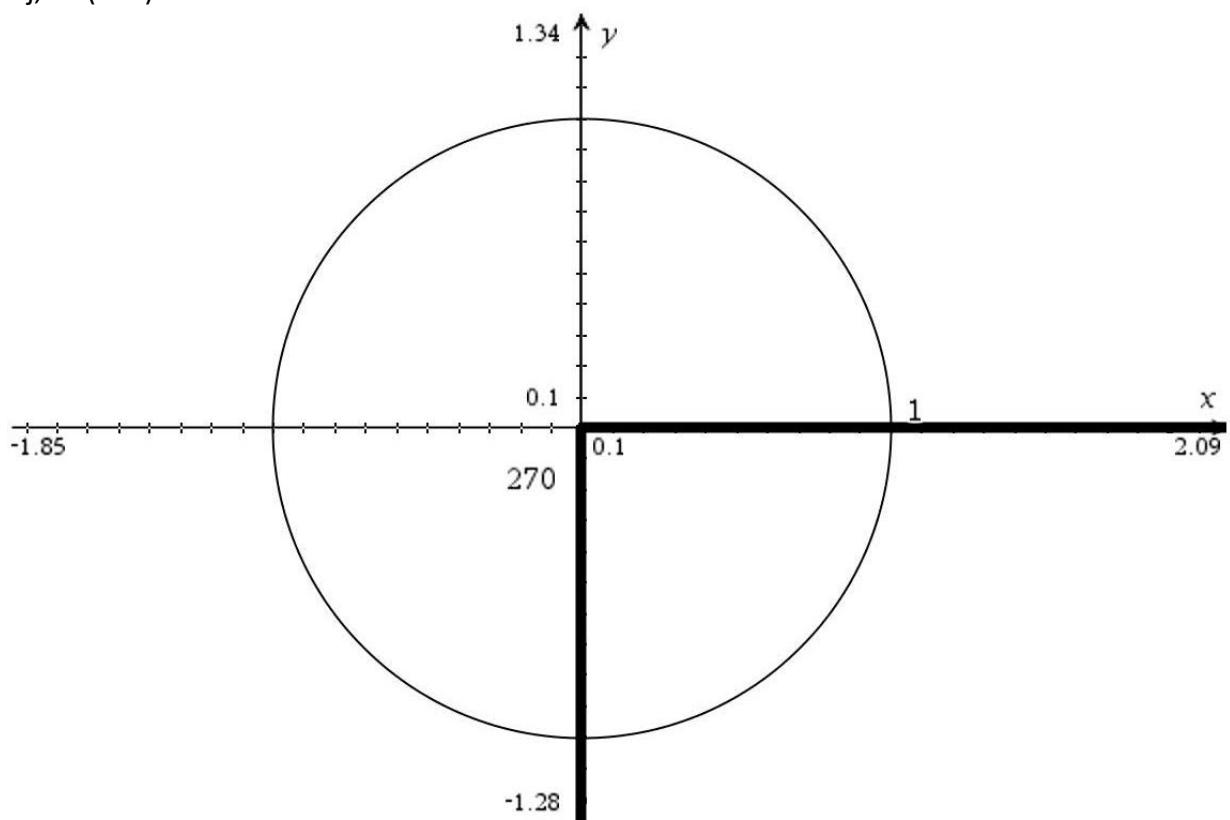
g) Ja



h) Ja

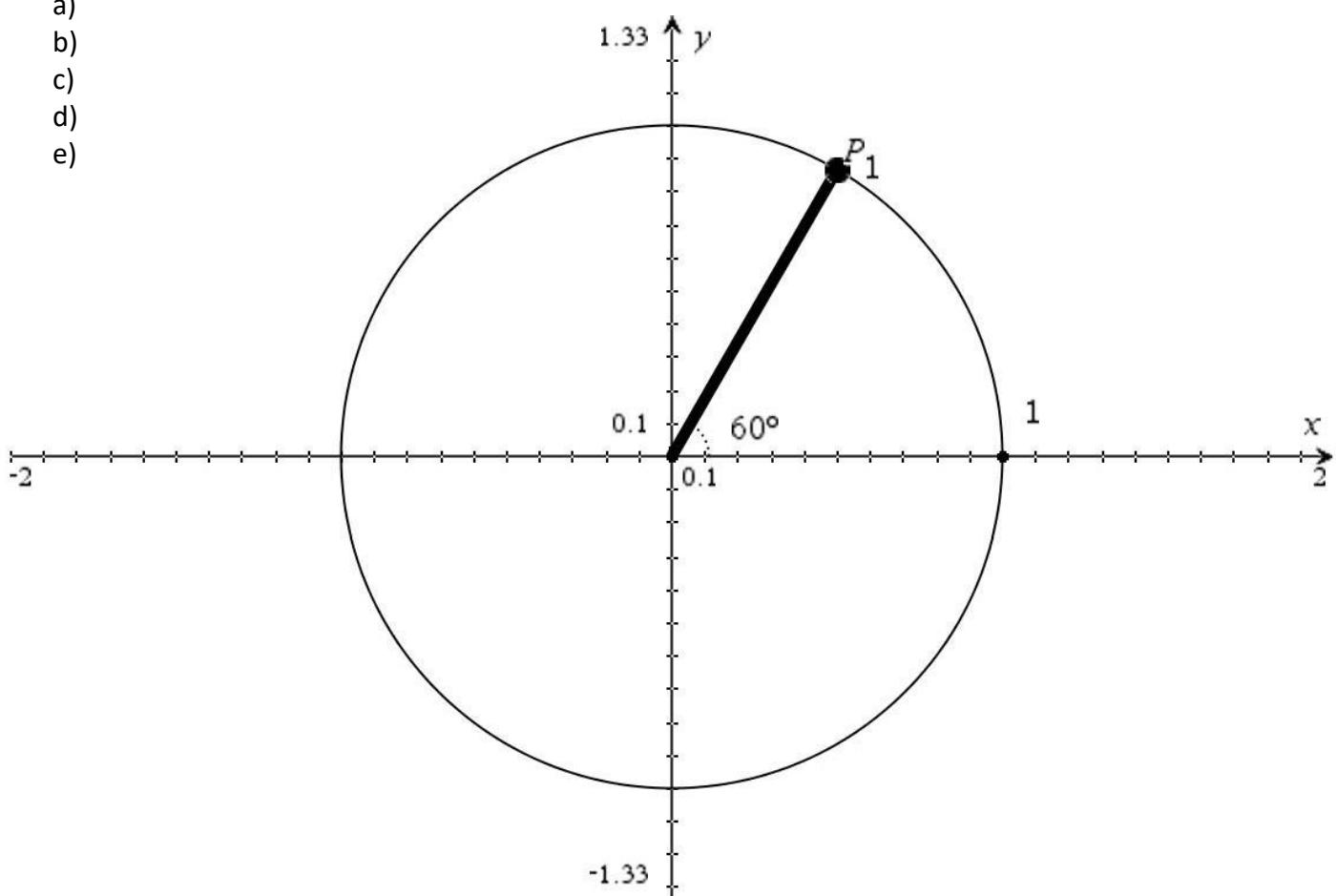


i) Nej,  $\sin(270) = -1$

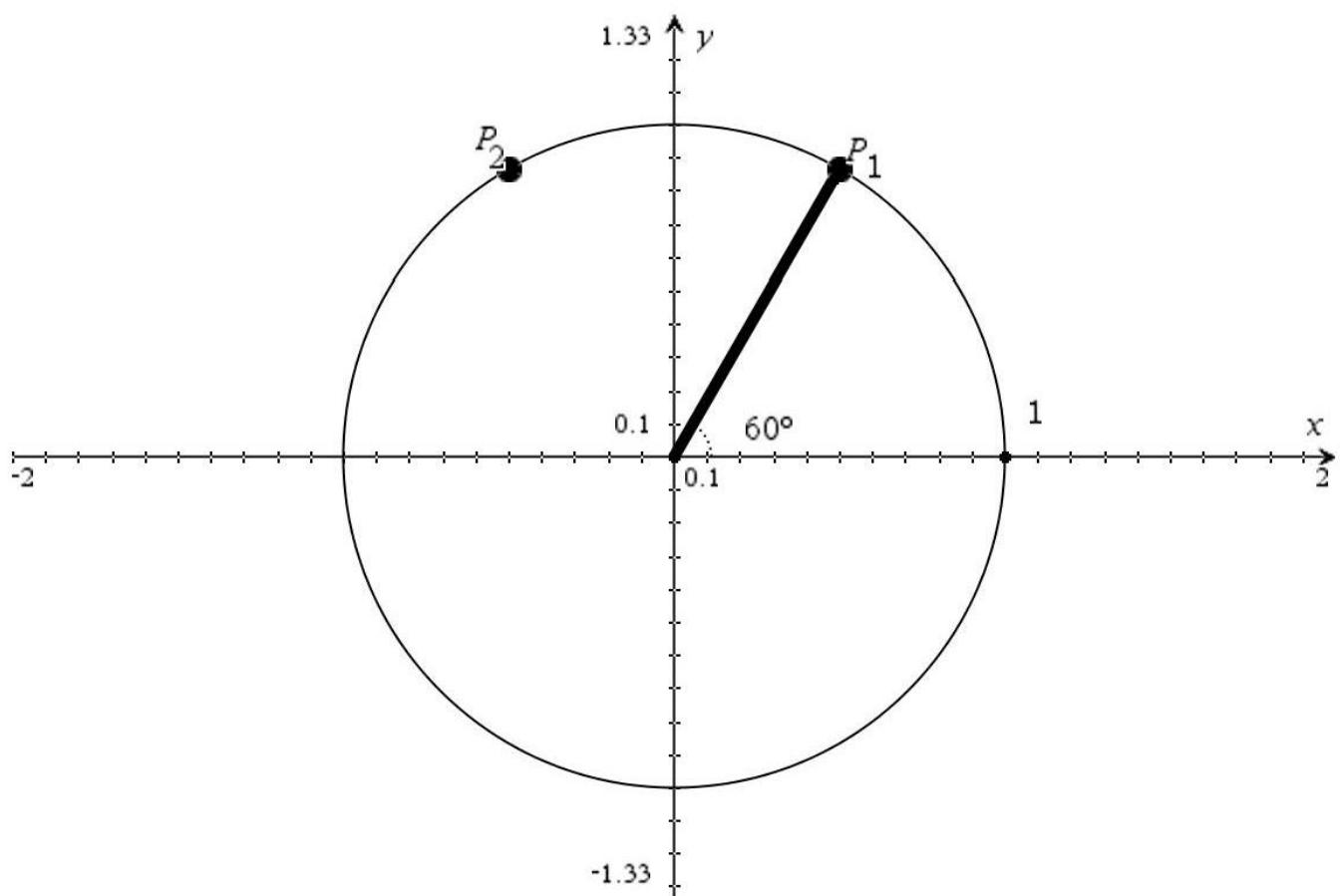


**Opgave 545**

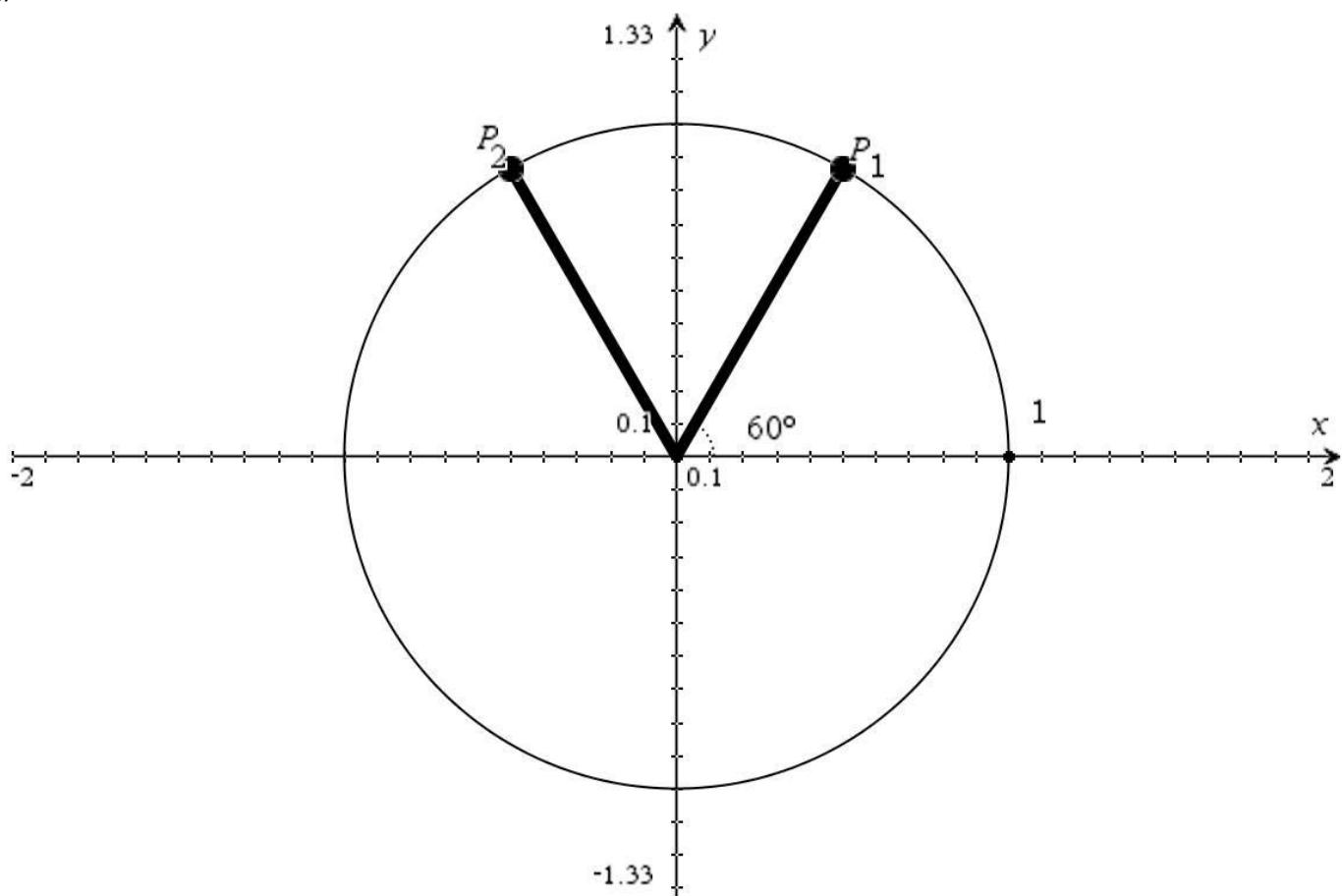
- a)
- b)
- c)
- d)
- e)



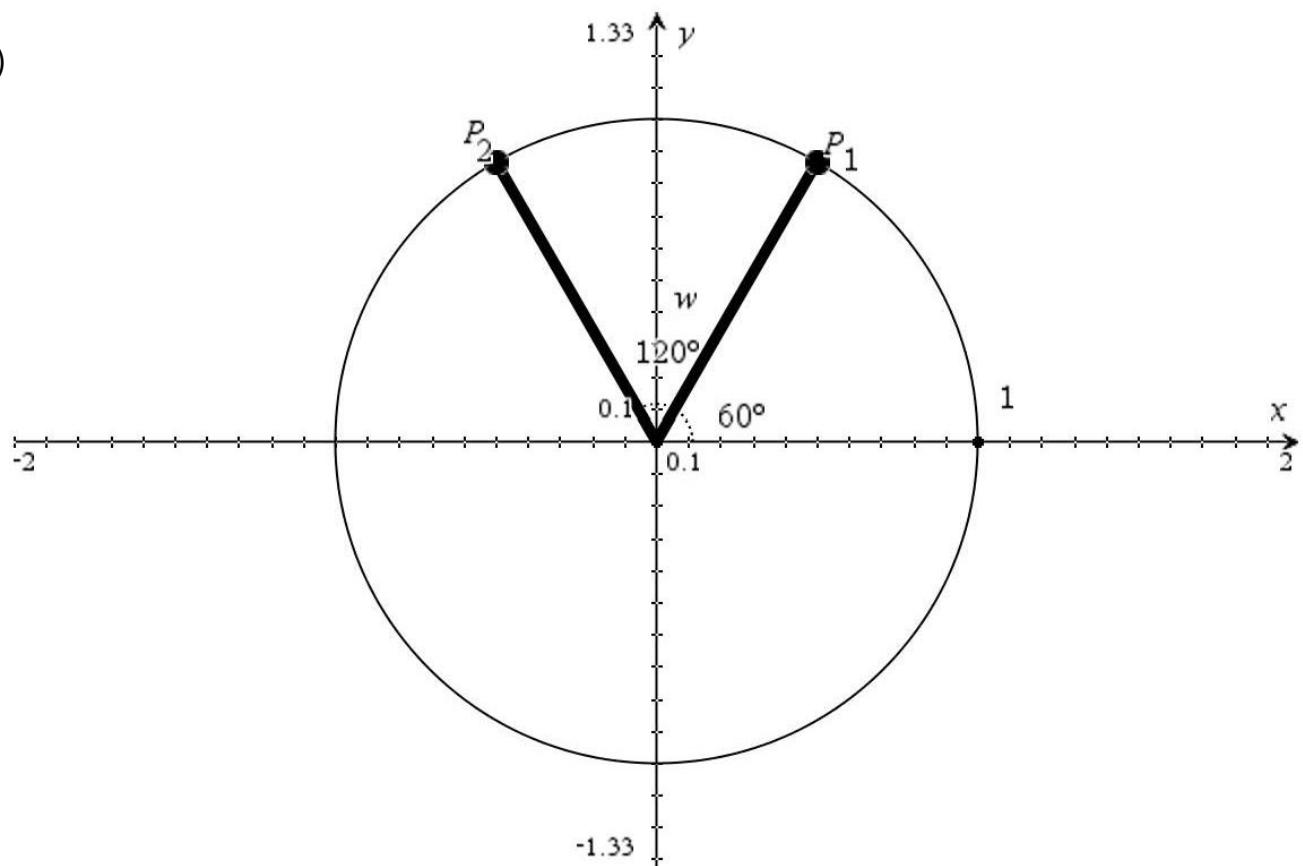
f)



g)

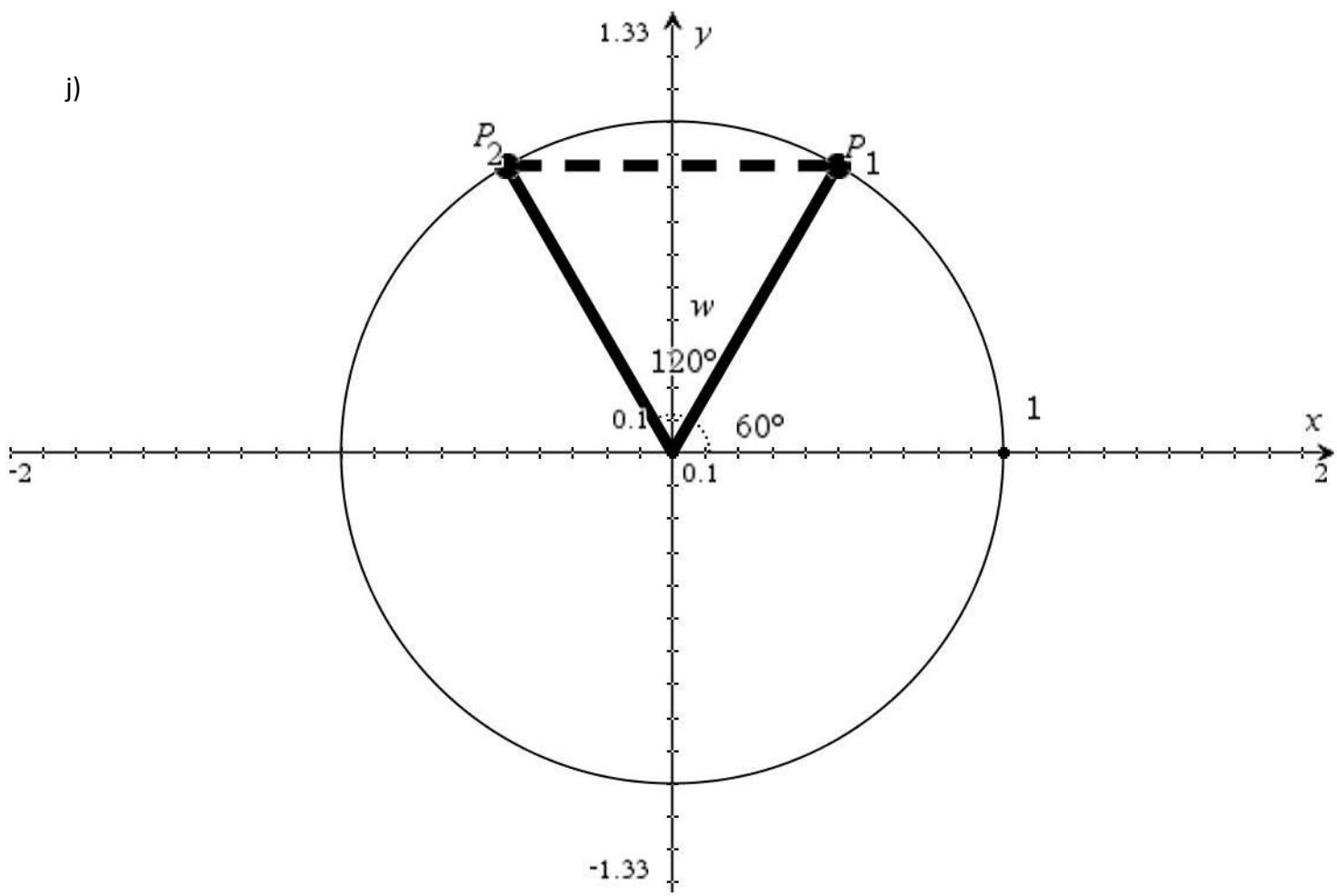


h)

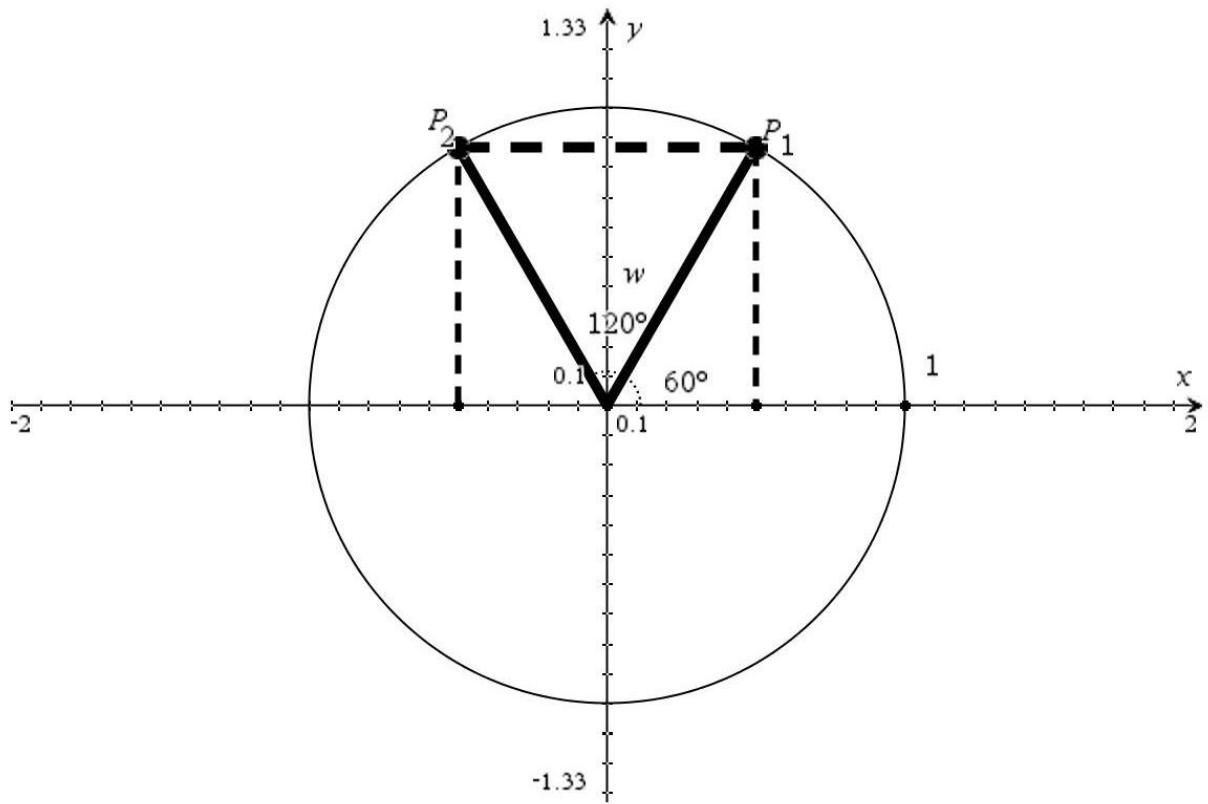


i)  $120^\circ$

j)



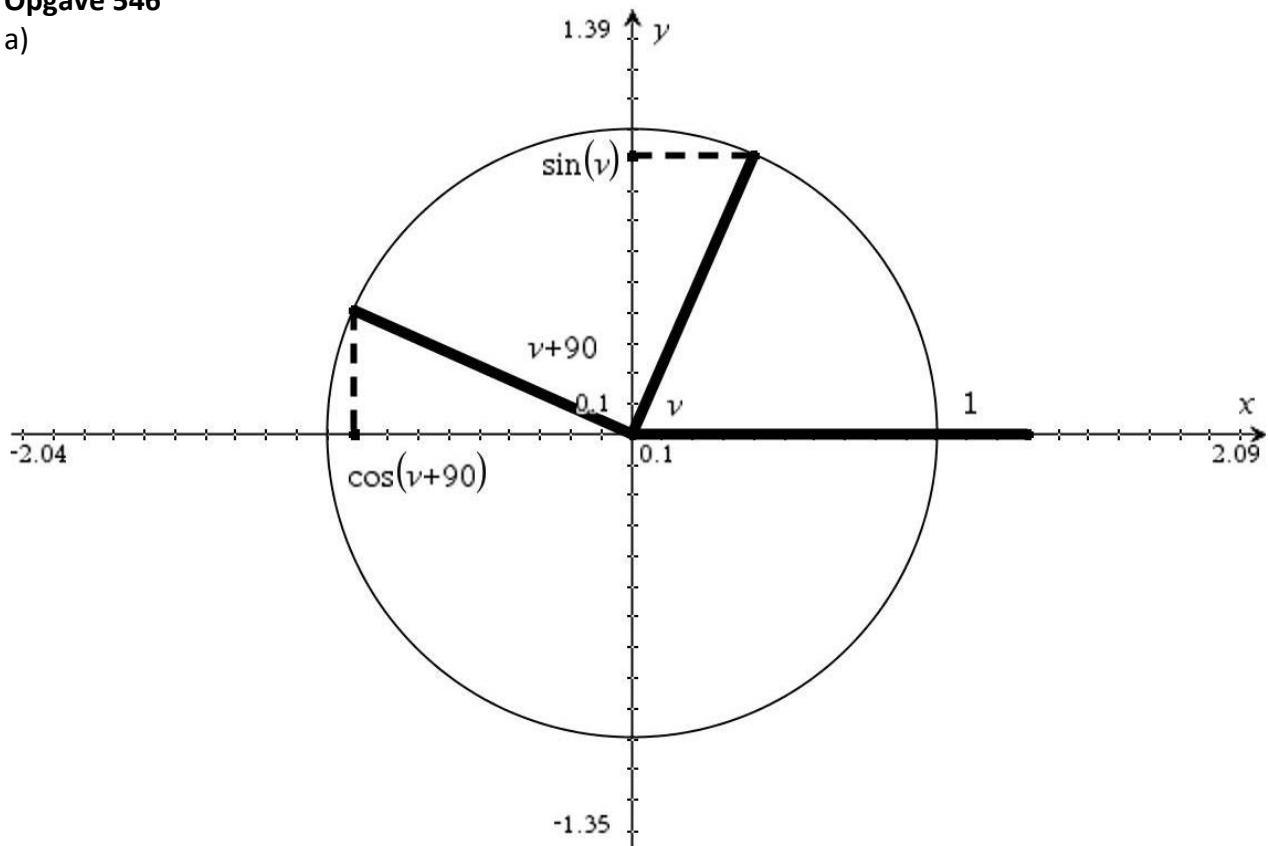
k)



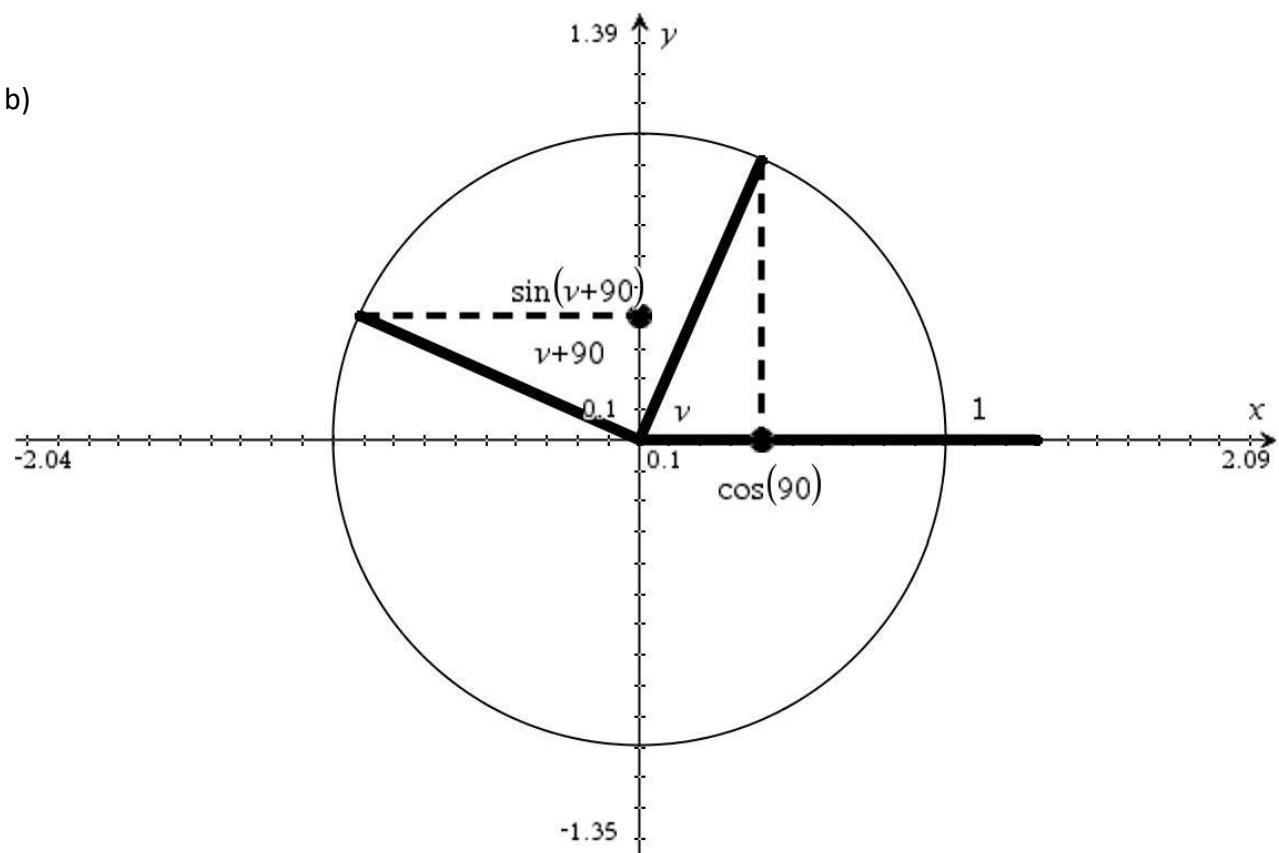
l) De to punkter ligger symmetrisk om y-aksen

**Opgave 546**

a)

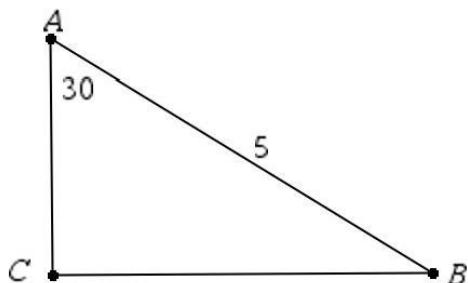


b)



**Opgave 547**

a)



b) Cosinus

$$c) \ a = \cos(30) \cdot 5 = 4,33$$

d) -

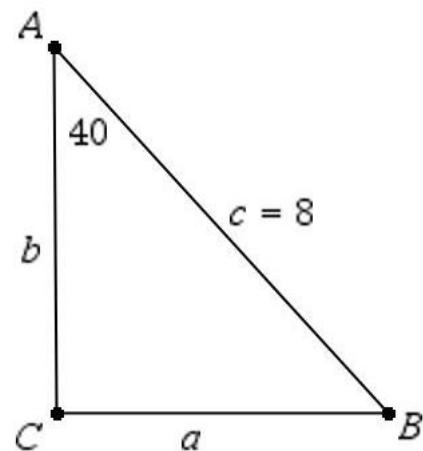
$$e) \ b = 2,5$$

**Opgave 548**

Første trekant:

$$A = 40^\circ, B = 50^\circ \text{ og } C = 90^\circ$$

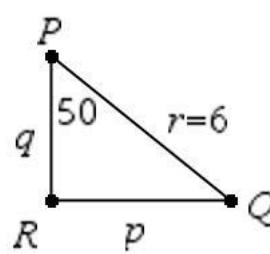
$$a = 5,1423, b = 6,1284 \text{ og } c = 8$$



Anden trekant:

$$P = 50^\circ, Q = 40^\circ \text{ og } C = 90^\circ$$

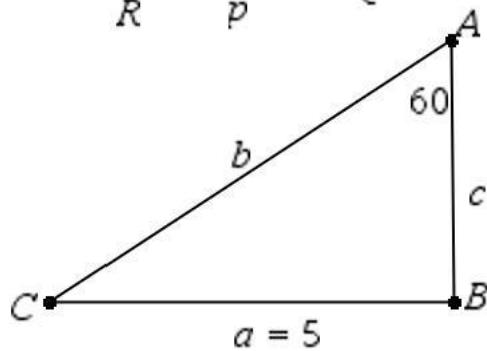
$$p = 4,5963, q = 3,8567 \text{ og } r = 6$$



Tredje trekant:

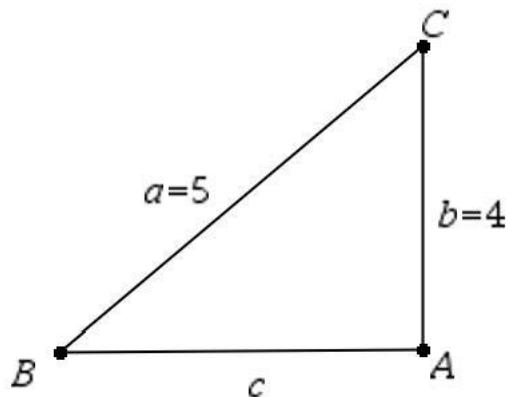
$$A = 60^\circ, B = 90^\circ \text{ og } C = 30^\circ$$

$$a = 5, b = 5,7735 \text{ og } c = 2,8868$$



**Opgave 549**

a)  $B = 53,1^\circ$



b)  $36,9^\circ$

c) 3

d) 6