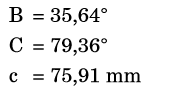
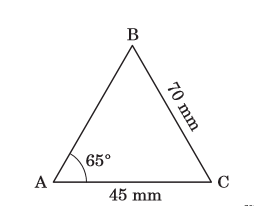
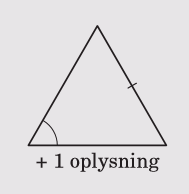
Matematik, Niveau D

**Opgave09c: Cosinus-sinusrelationerne**

**Navn: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hold: \_\_\_\_\_\_\_\_**





Sinusrelation fordi:

Sinusrelation:

**a/sin(A)=b/sin(B)=c/sin(C)** (skråstreg i.st.f. brøkstreg)

Så kan vi starte med at beregne B:

**a/sin(A)=b/sin(B)**

Indsæt kendte værdier:

**70/sin(65) = 45/sin(B)**

Løs ligningen mht. B:

**70/sin(65) \* sin(B)= 45** (gang med sin(B) på begge sider)

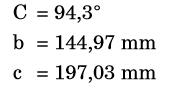
**70\* sin(B)= 45 \* sin(65)** (gang med sin(65) på begge sider)

**sin(B)= 45 \* sin(65) / 70** (dividér med 70 på begge sider)

**B = sin-1(45 \* sin(65) / 70)** (omvendt sinus på begge sider)

**B = 35,640** (udregn på lommeregner)

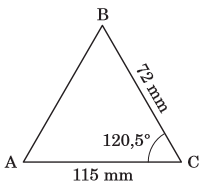


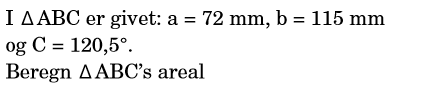


Matematik, Niveau D

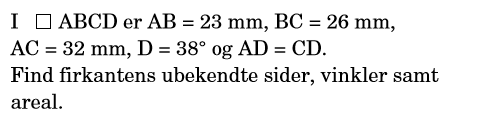
**Opgave09c: Cosinus-sinusrelationerne (side 2)**

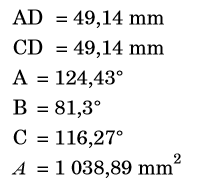
**Navn: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hold: \_\_\_\_\_\_\_\_**







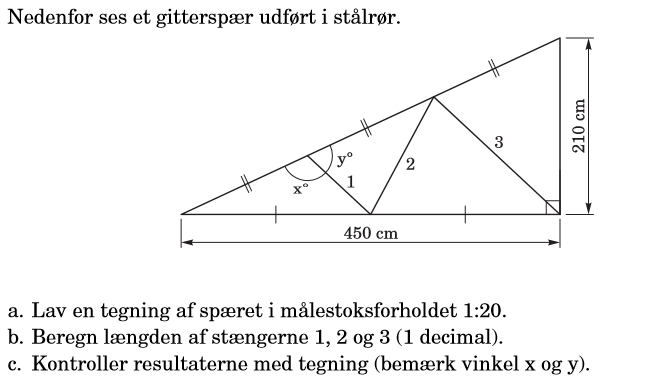


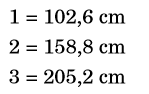


Matematik, Niveau D

**Opgave09c: Cosinus-sinusrelationerne (side 3)**

**Navn: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hold: \_\_\_\_\_\_\_\_**





Matematik, Niveau D

**Opgave09c: Cosinus-sinusrelationerne (side 4)**

**Navn: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hold: \_\_\_\_\_\_\_\_**

**Tegning.**