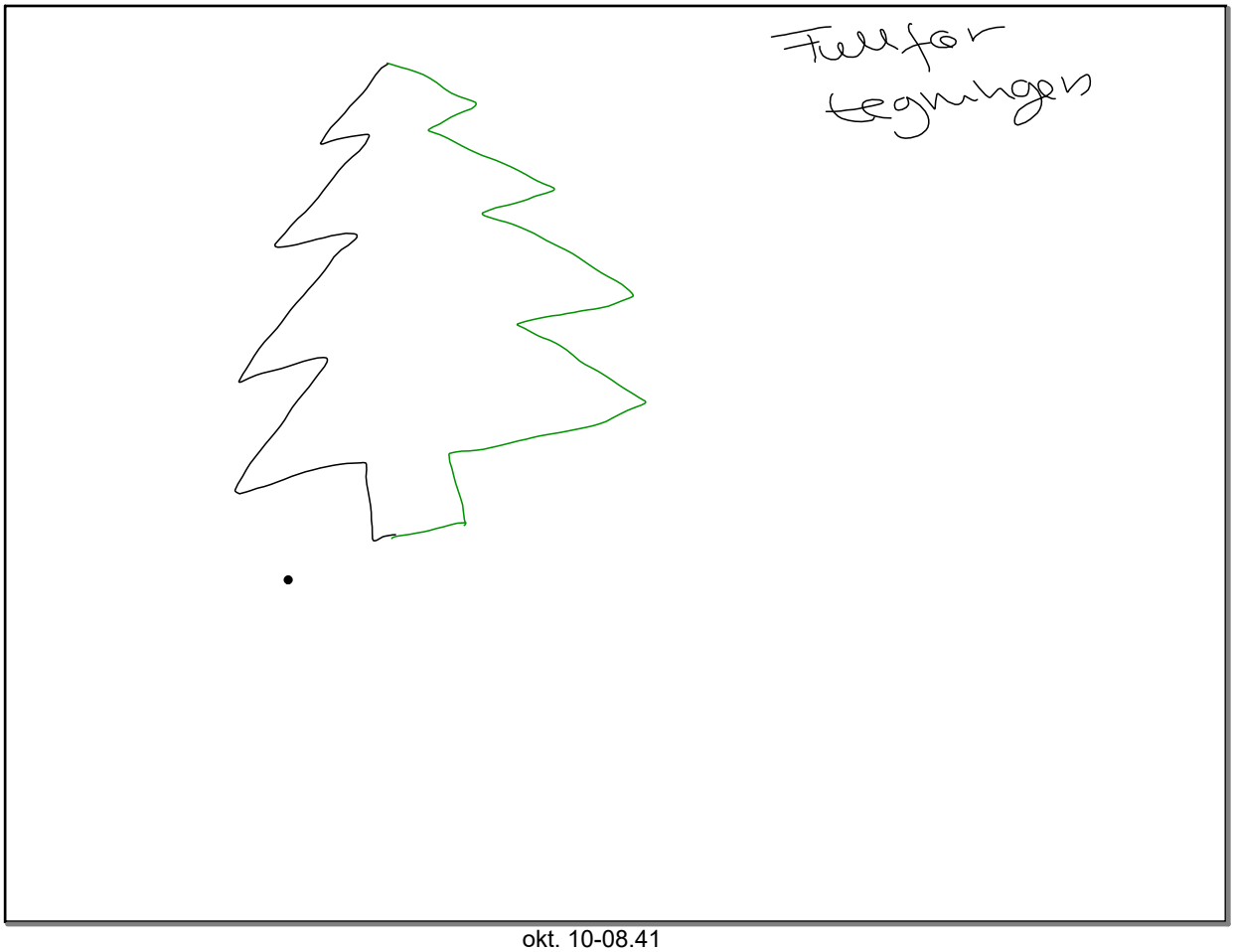
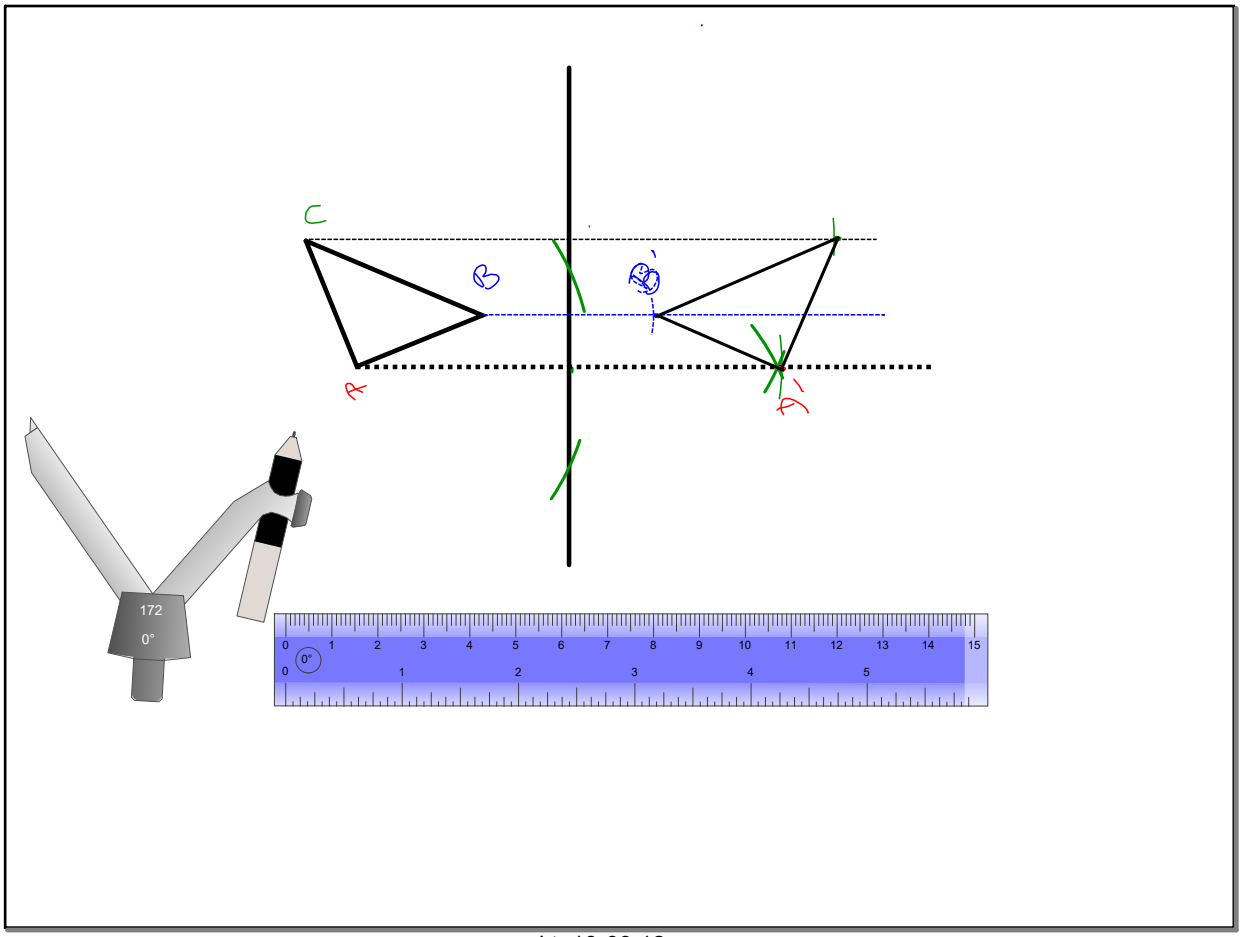
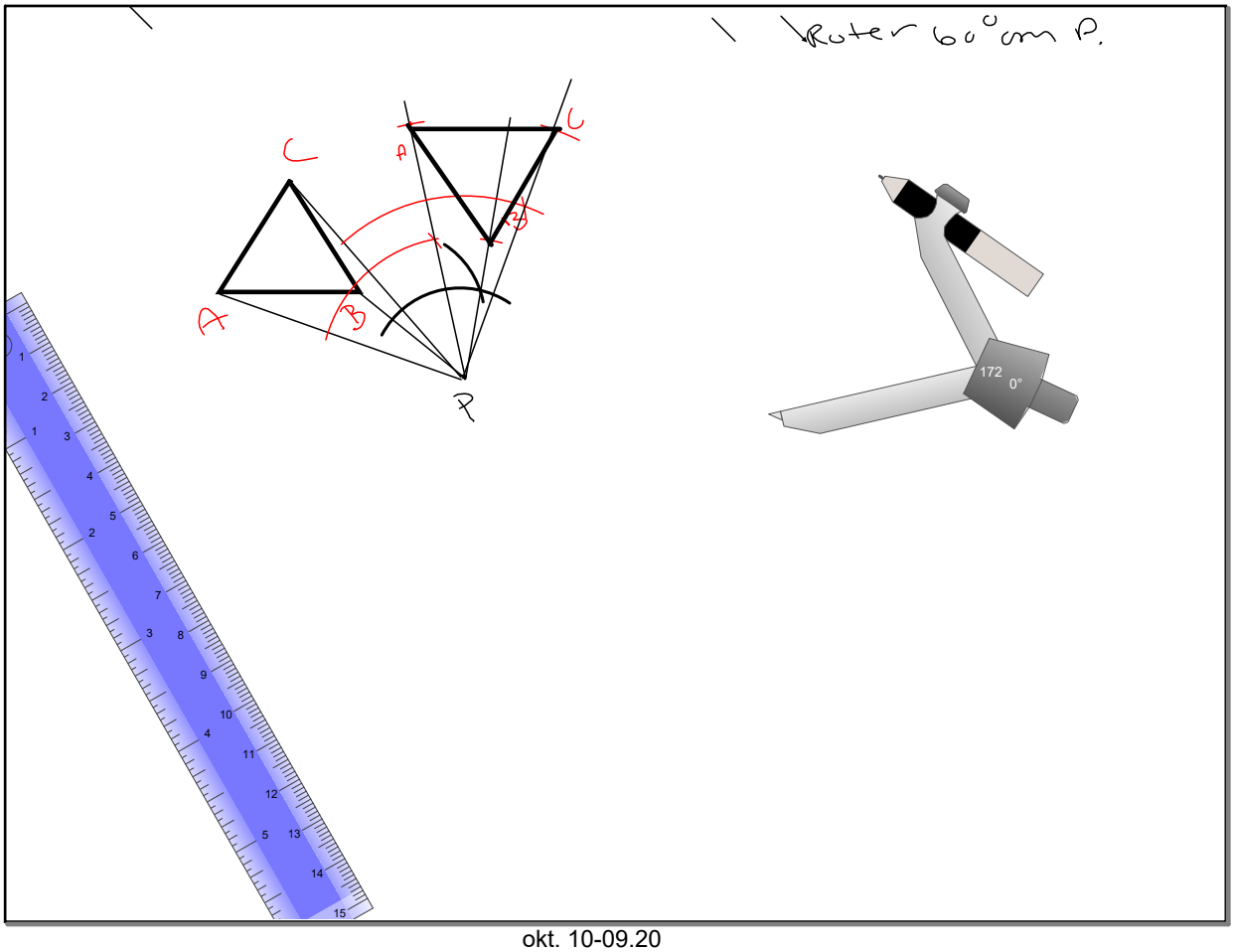


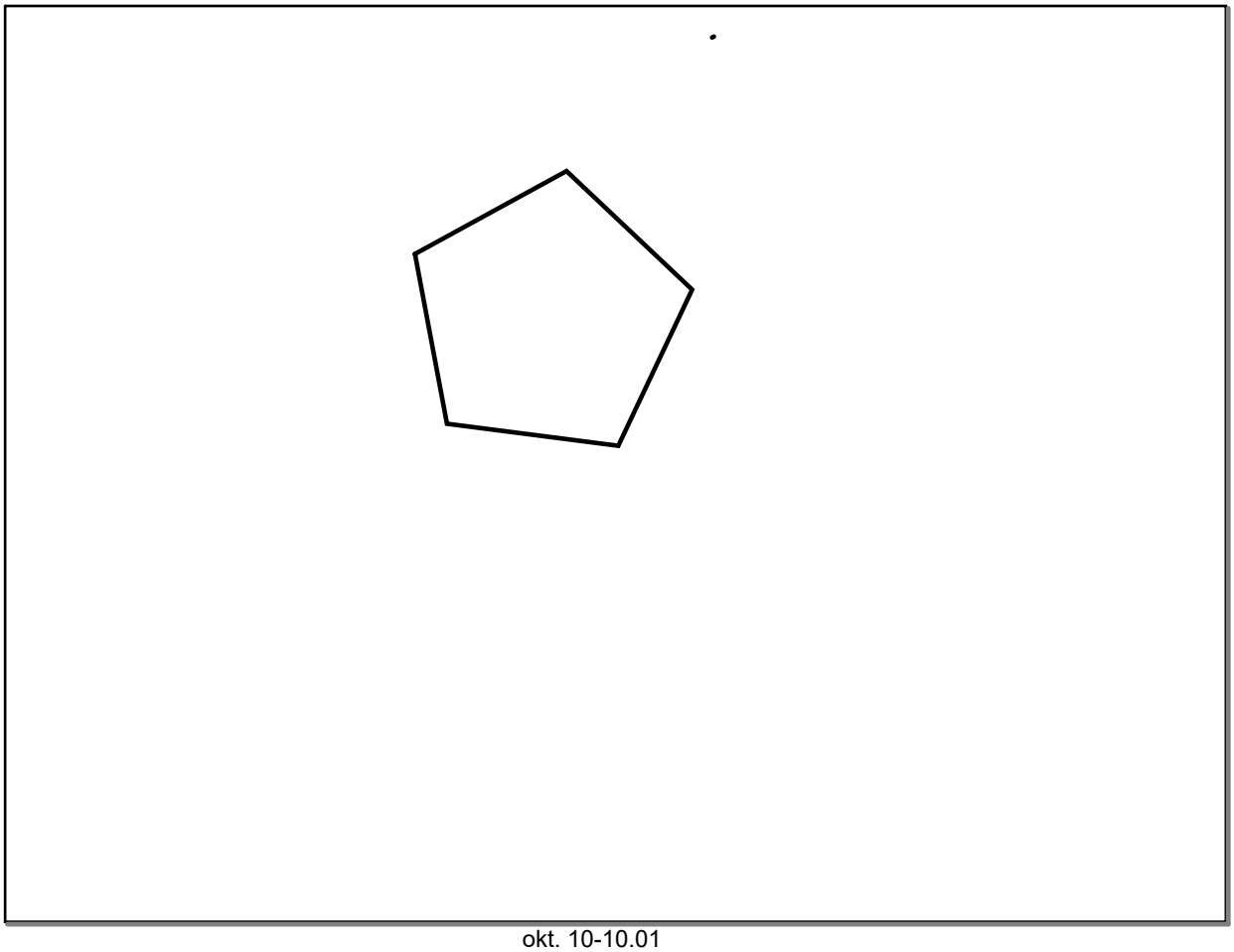
okt. 10-08.41



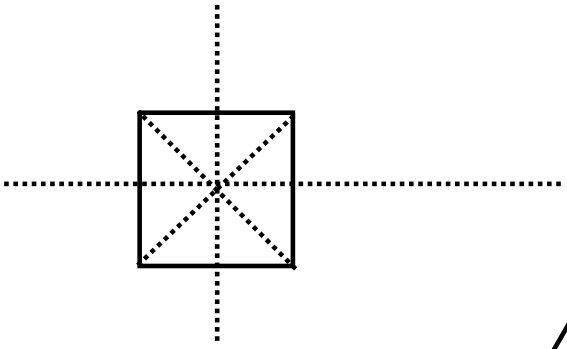
okt. 10-09.12



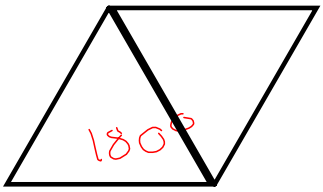
okt. 10-09.20



okt. 10-10.01



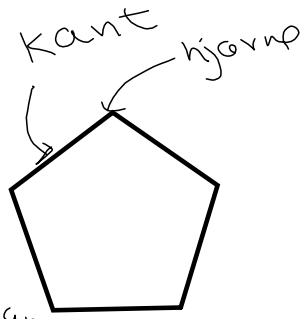
Vinkelsum i firkanter er: 180° · 2 = 360°



okt. 10-09.27

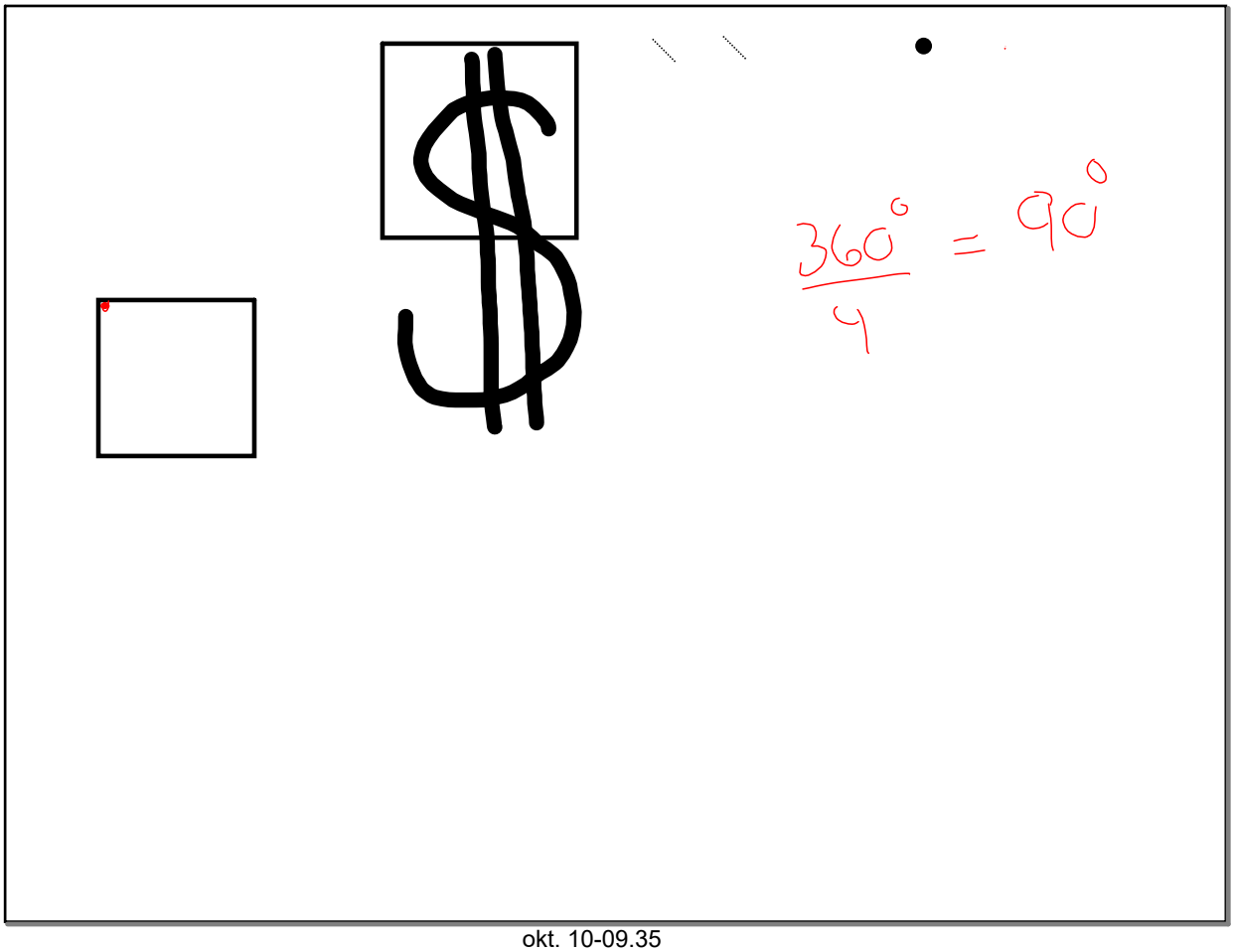
Mangekant

Regulær mangekant
↳ vinkler og sidene like store.

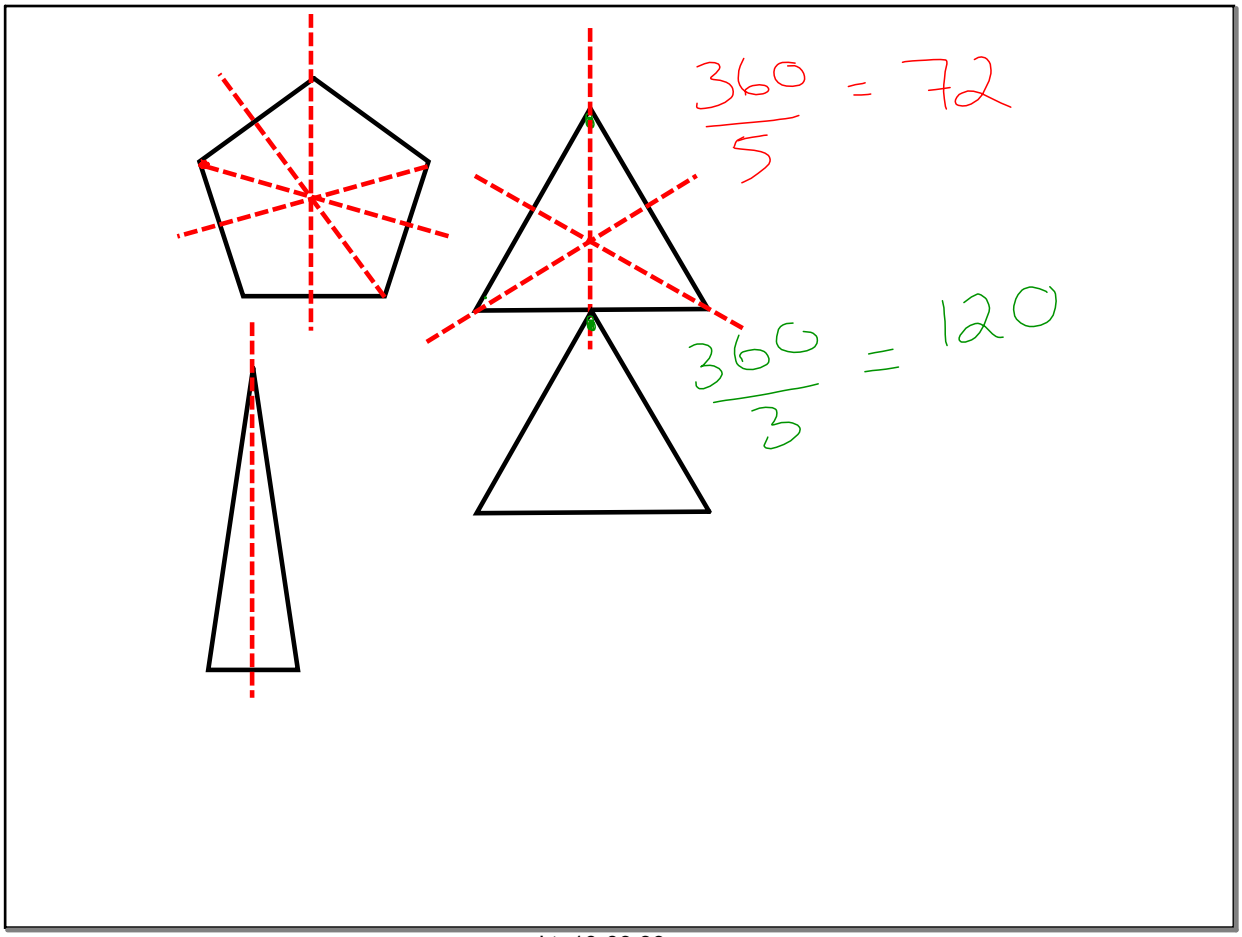


- Kvadrat → Regulær firkant.
- Likesidet trekant → regulær trekant

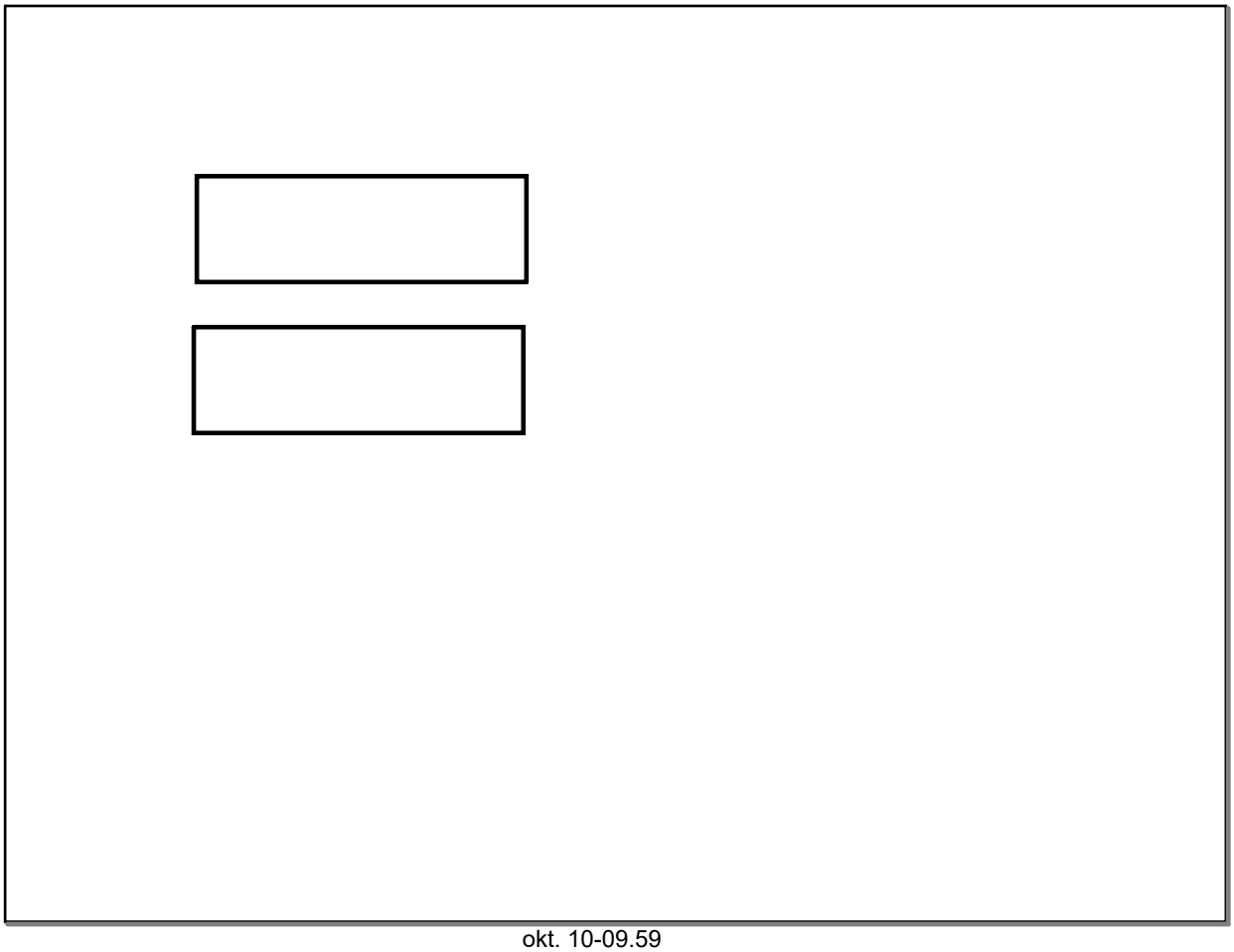
okt. 10-09.31



okt. 10-09.35

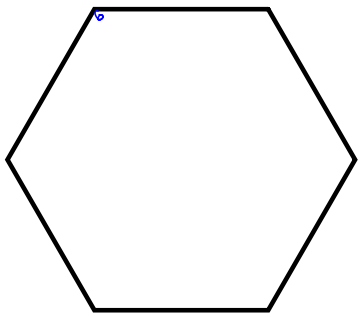


okt. 10-09.39



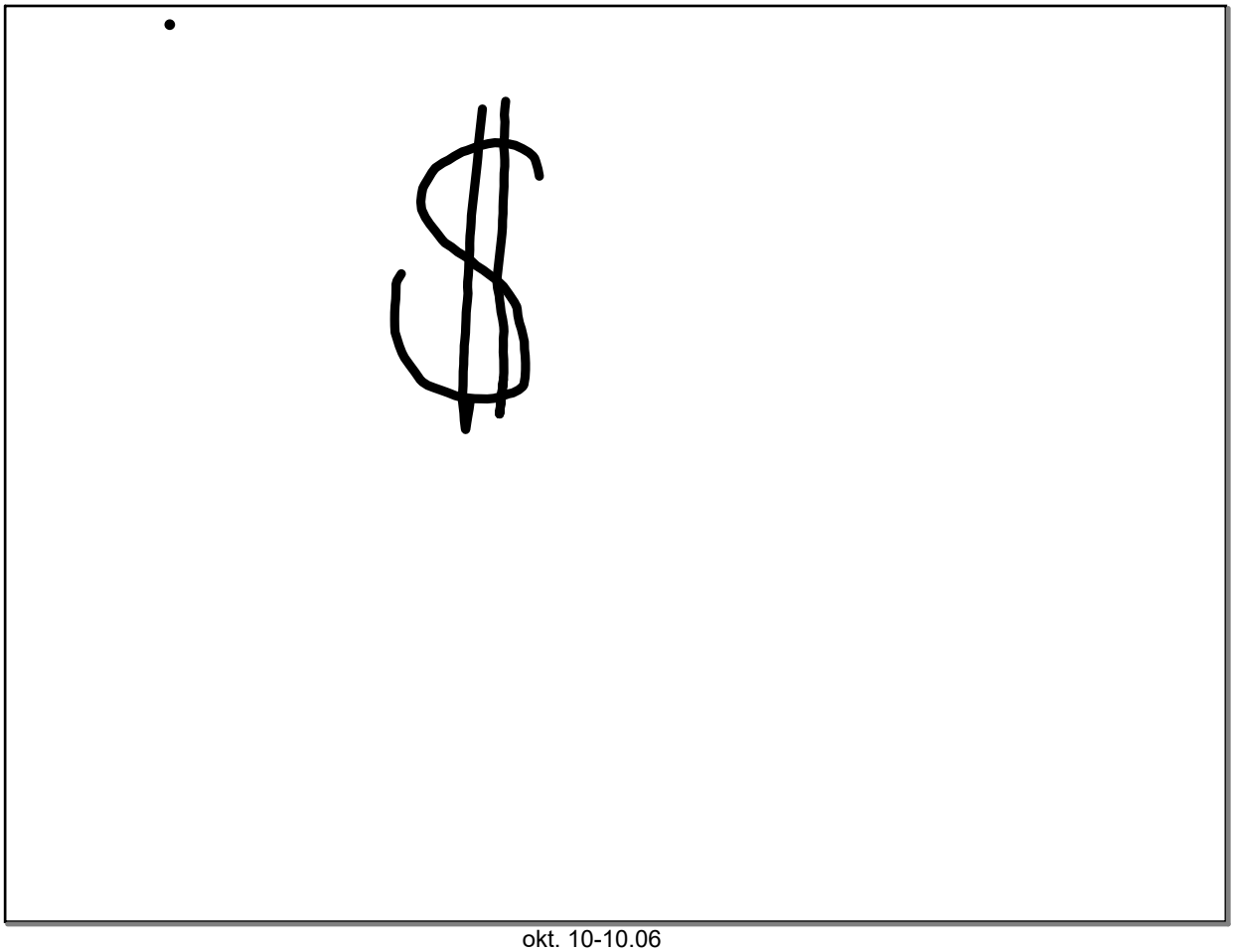
okt. 10-09.59

Regulær sekskant

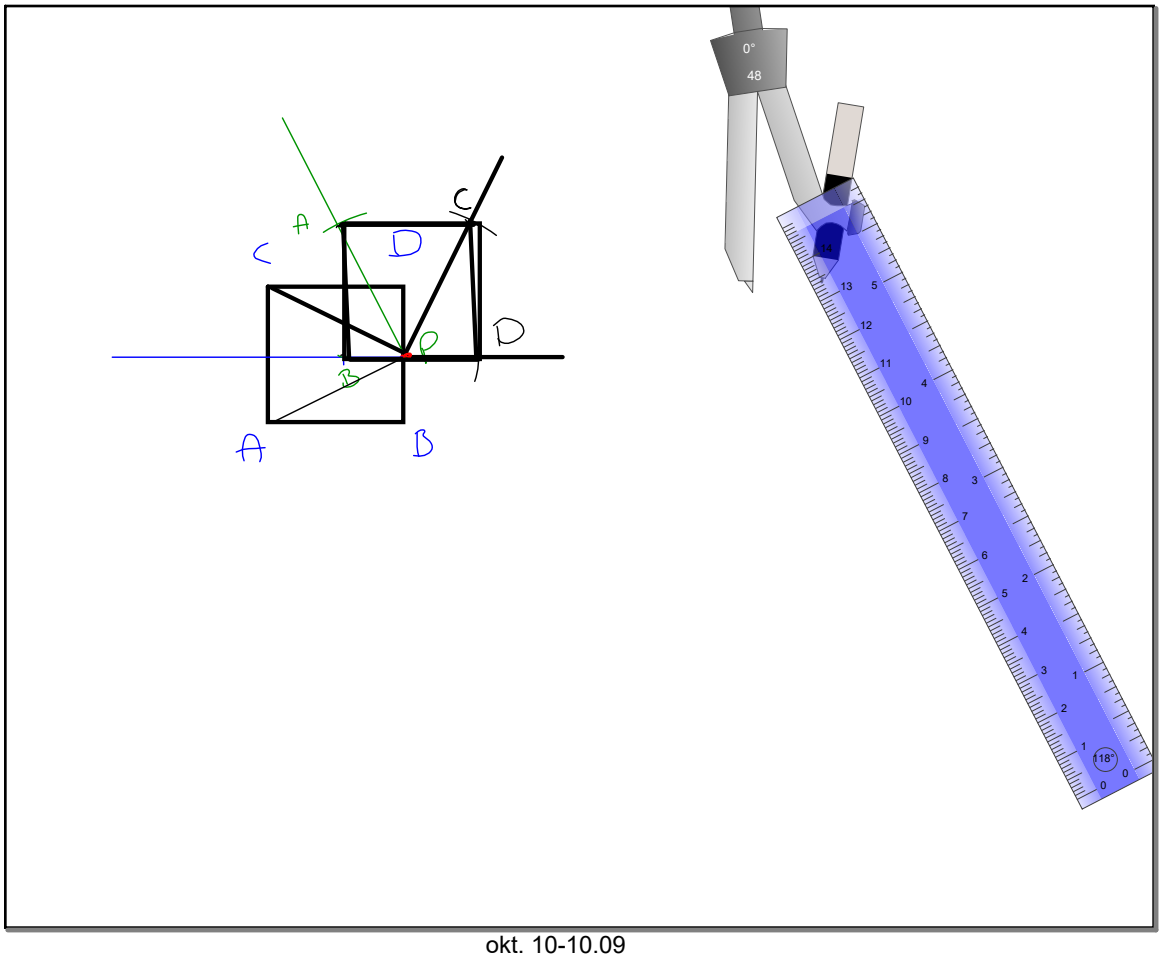


- Rotasjonsymmetri på 60° (360°/6)
- Speilingssymmetri

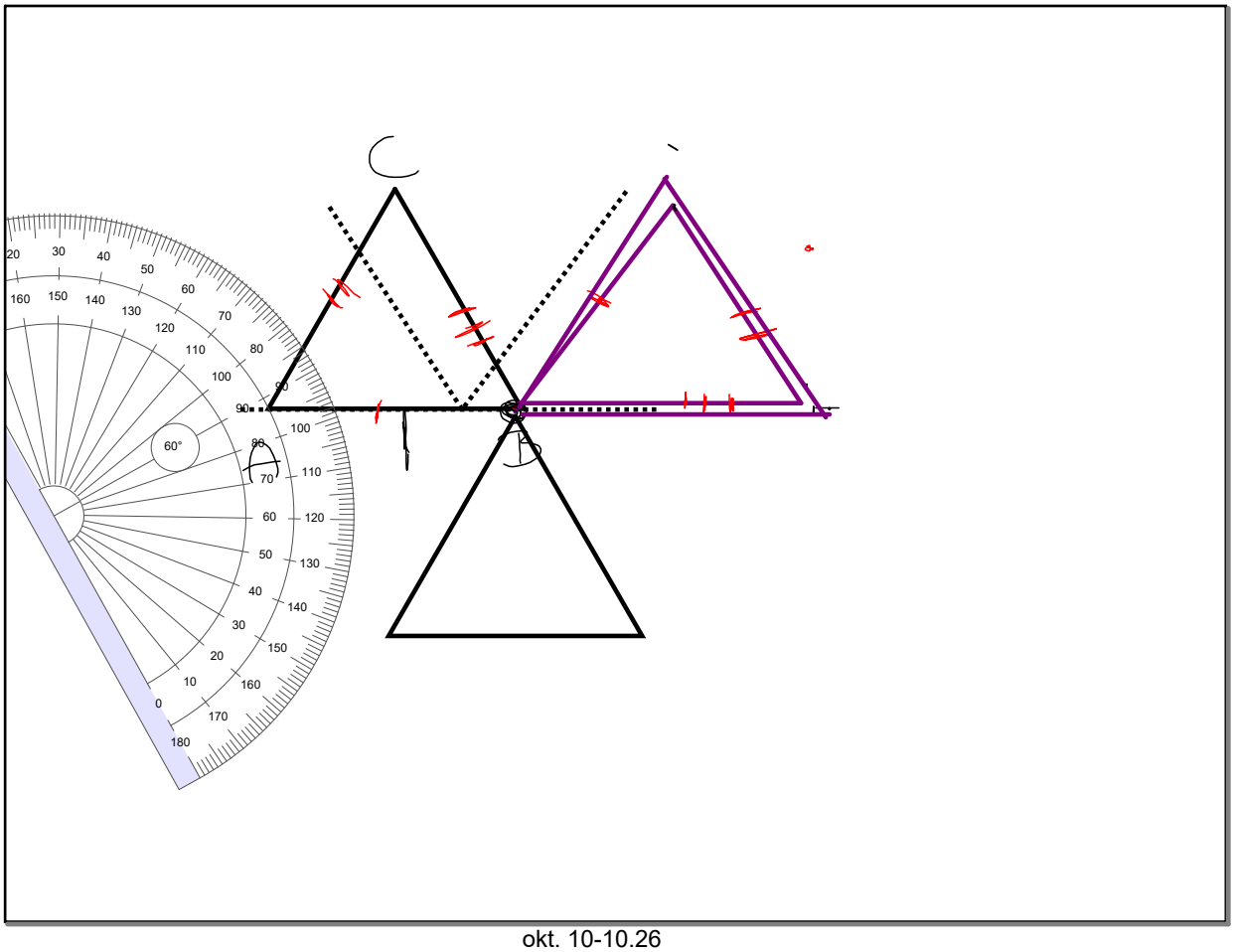
okt. 10-09.46



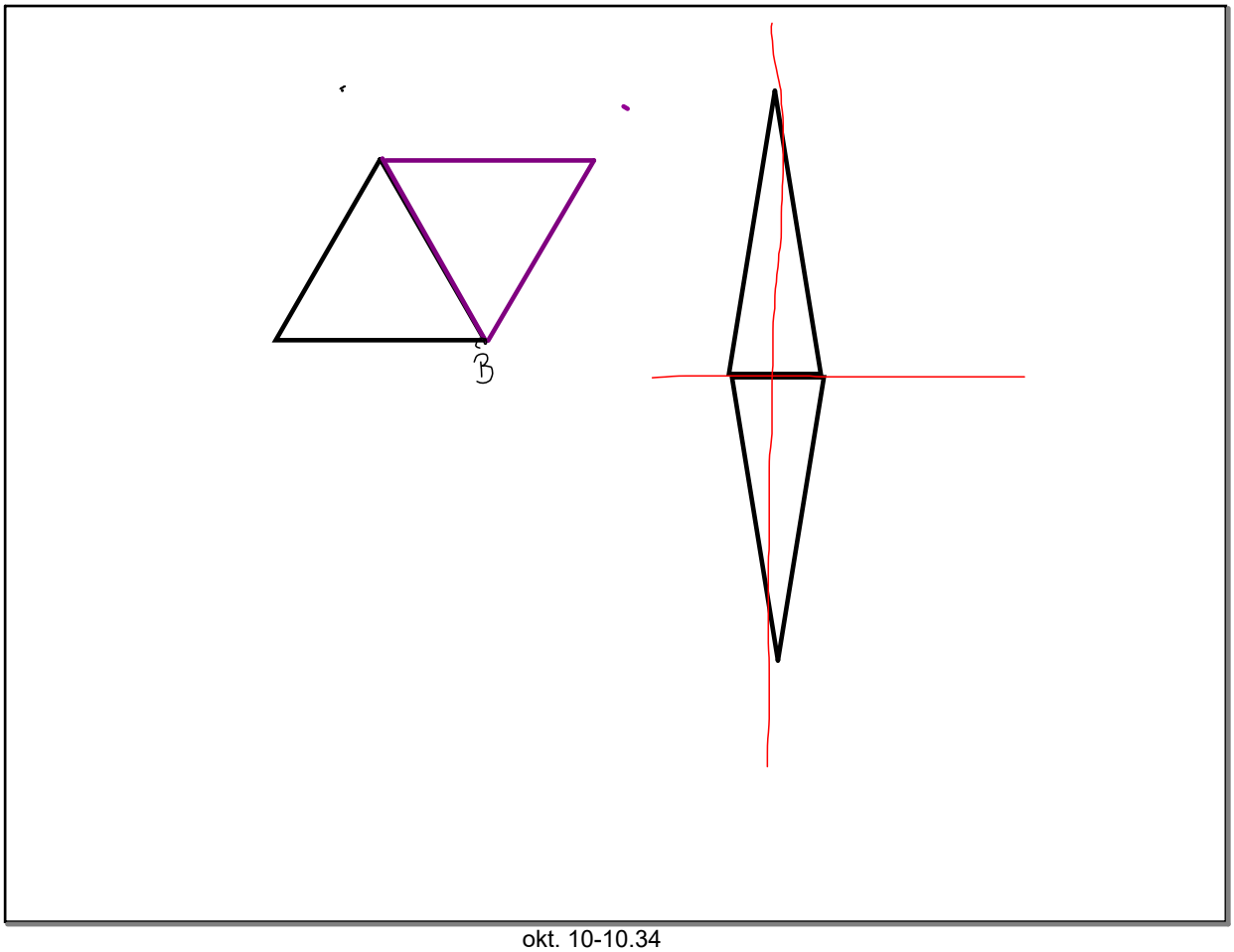
okt. 10-10.06



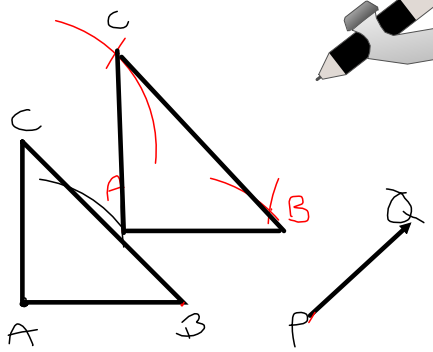
okt. 10-10.09

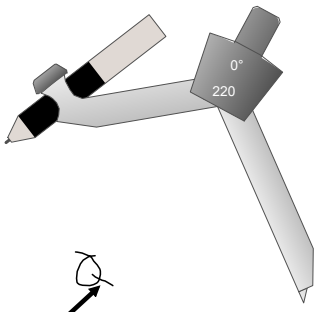


okt. 10-10.26

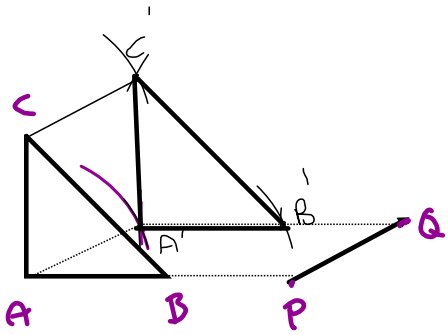


okt. 10-10.34

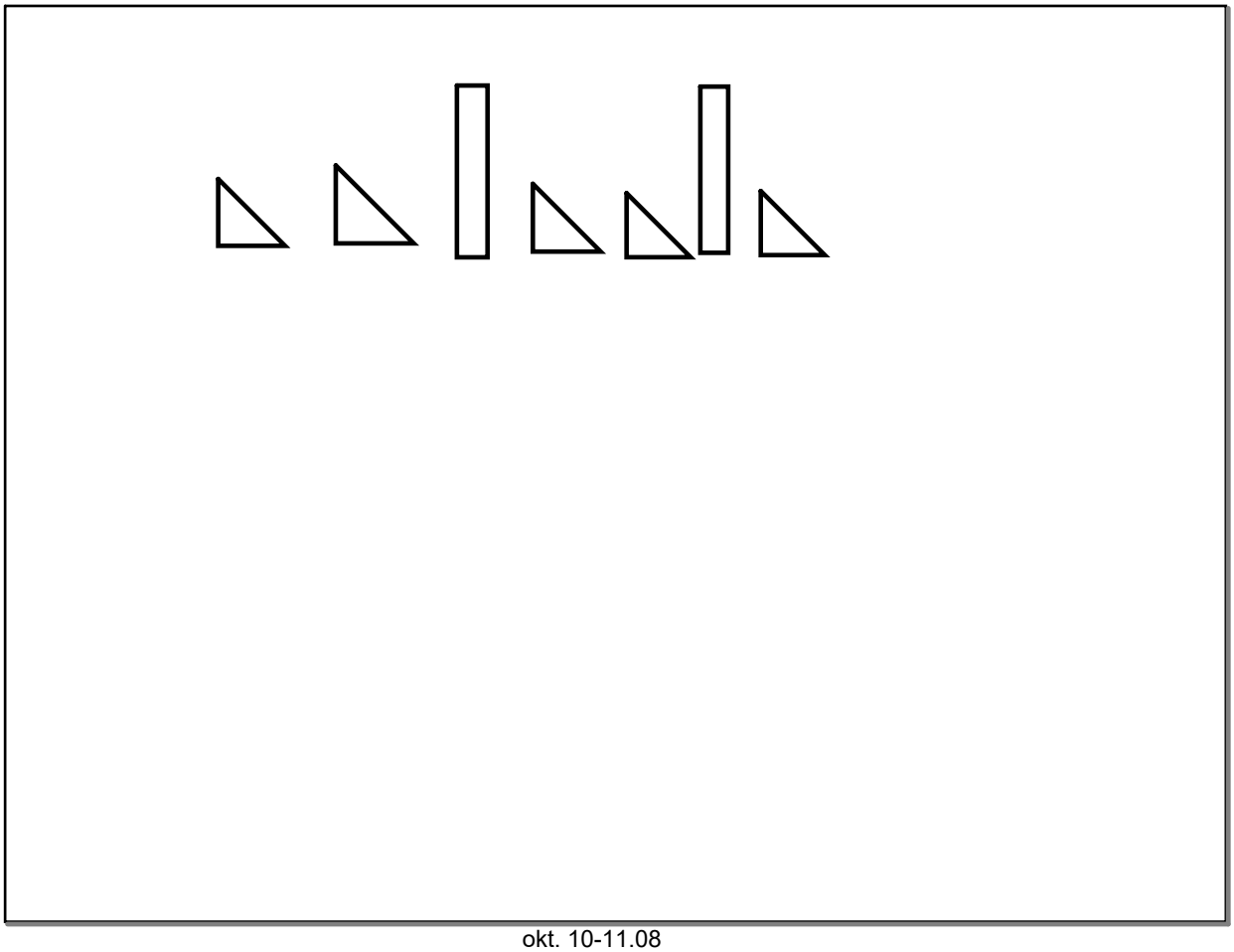




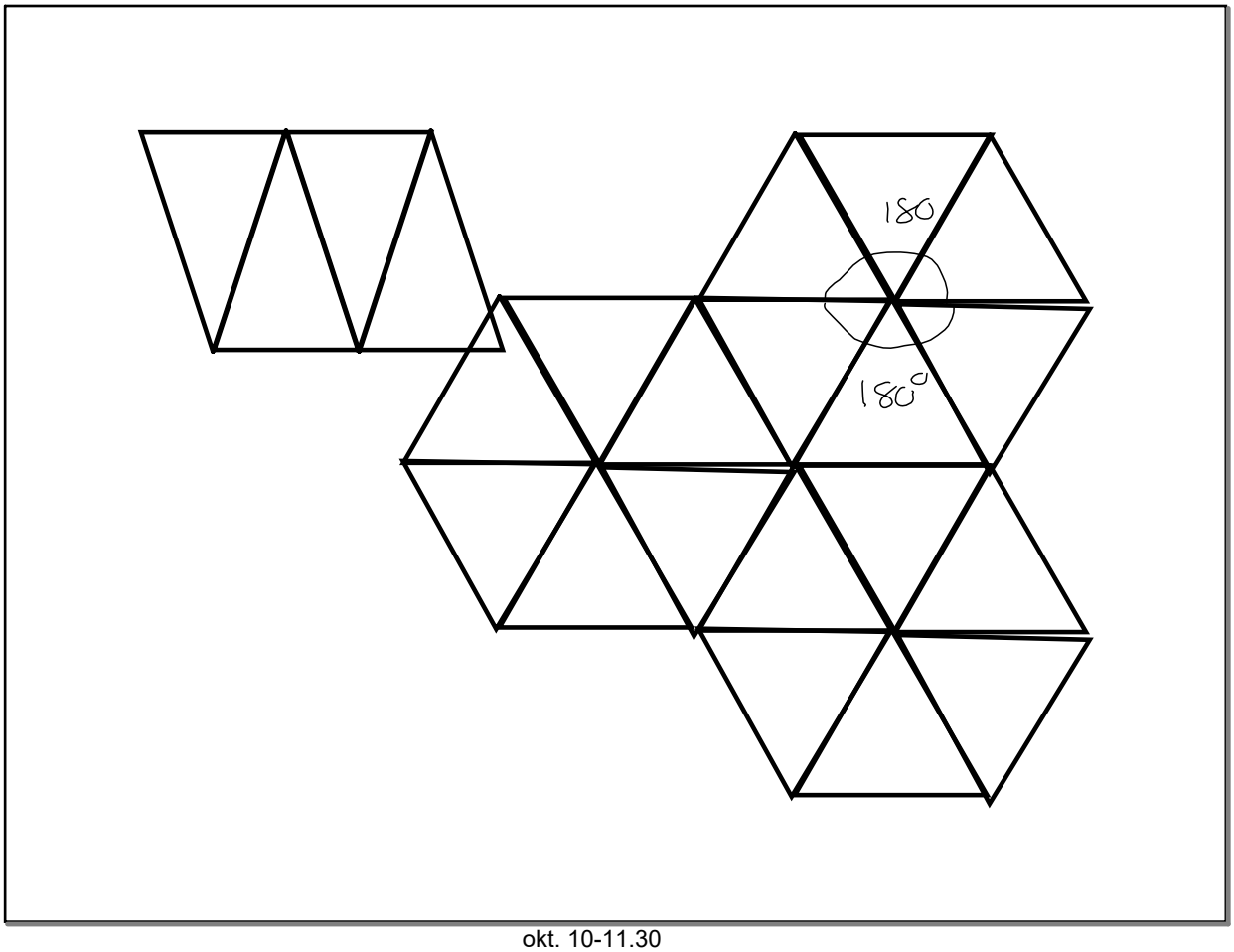
okt. 10-10.44



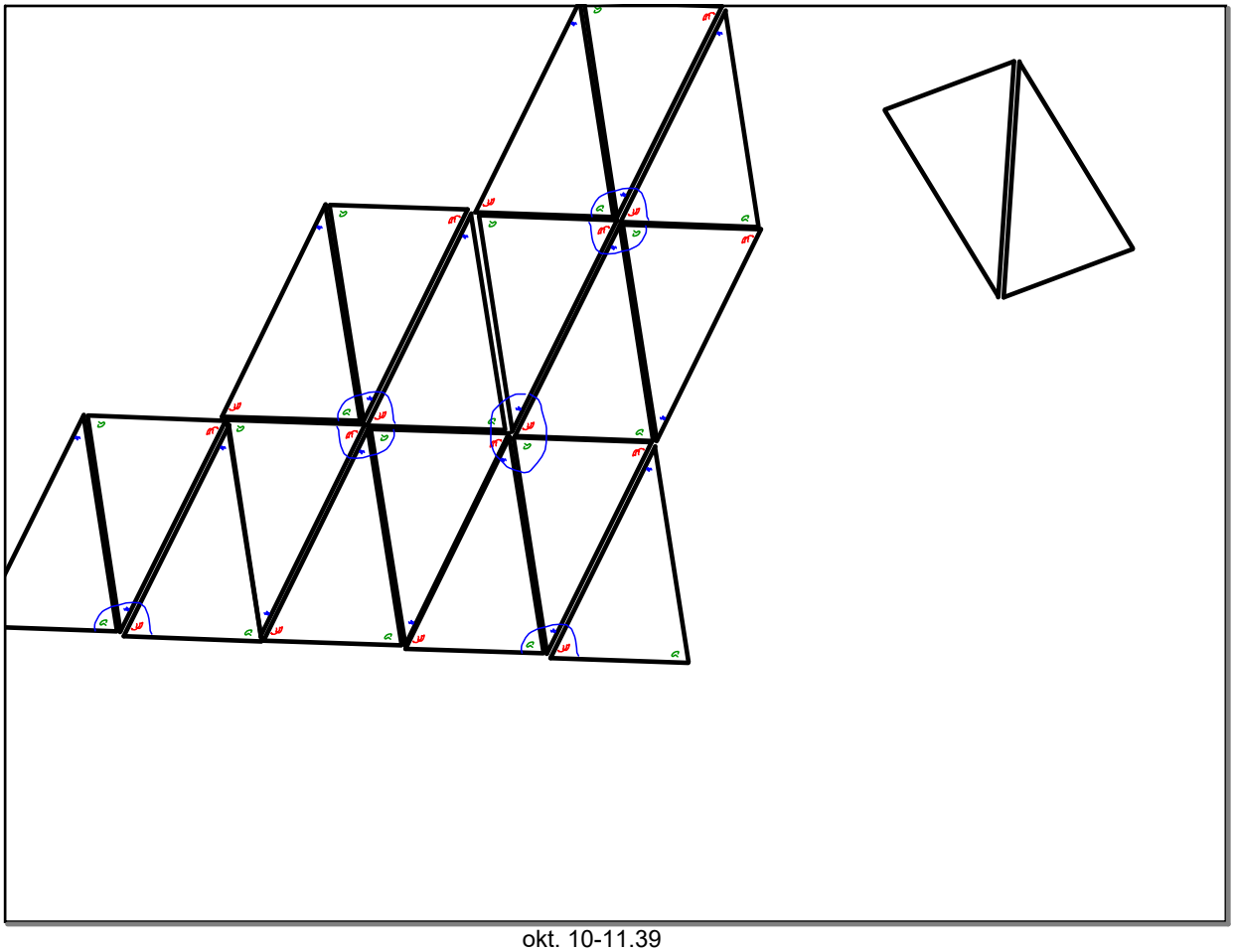
okt. 10-10.52



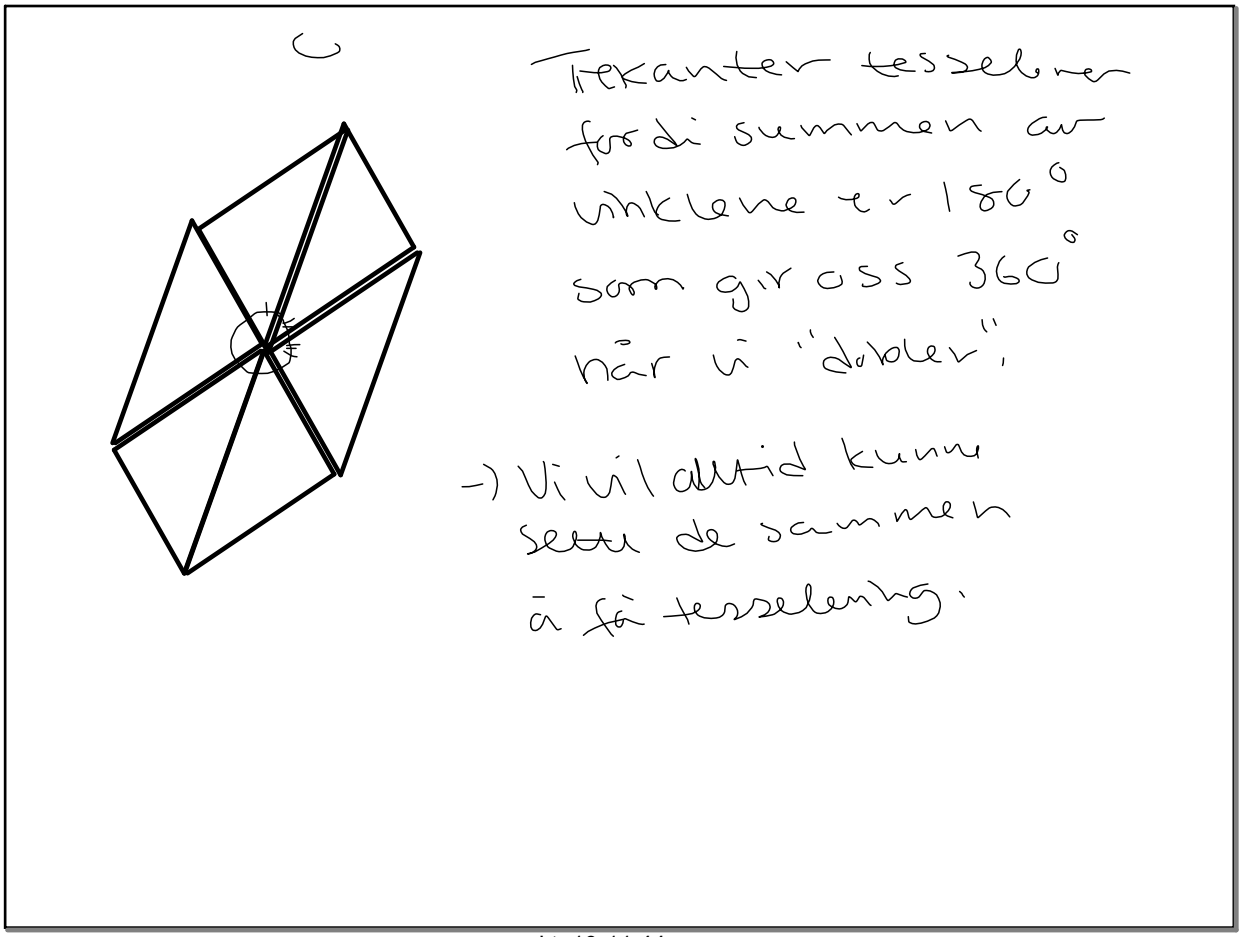
okt. 10-11.08



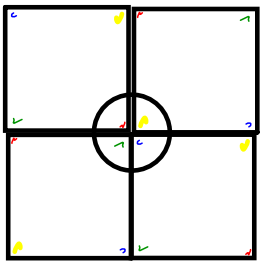
okt. 10-11.30



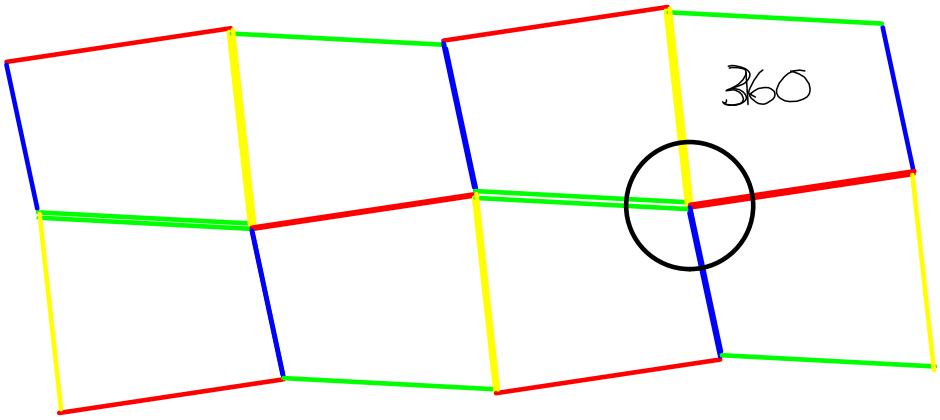
okt. 10-11.39



okt. 10-11.44



okt. 10-11.47



Trekanter: 6 stk for å få 360

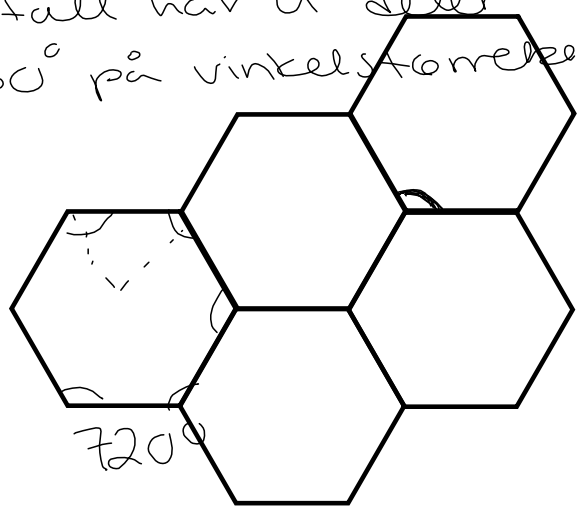
Firkanter: 4, 4 stk. for å få 360

okt. 10-11.22

Regulære mangekanter

Alle vinkler like store!

Tesselerer om vi får heltall når vi deler 360° på vinkelstørrelsen



$120° \times 3 = 360°$

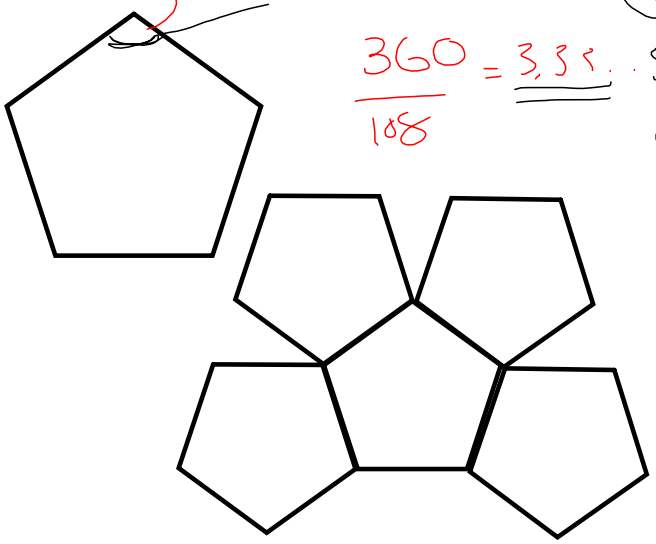
$\frac{360°}{120°} = 3$

$\frac{360°}{\text{vinkel}}$ = antall som med fer i denne 360°

okt. 10-11.51

Regulær femkant

$540/5 = 108$



$\frac{360}{108} = 3,33...$

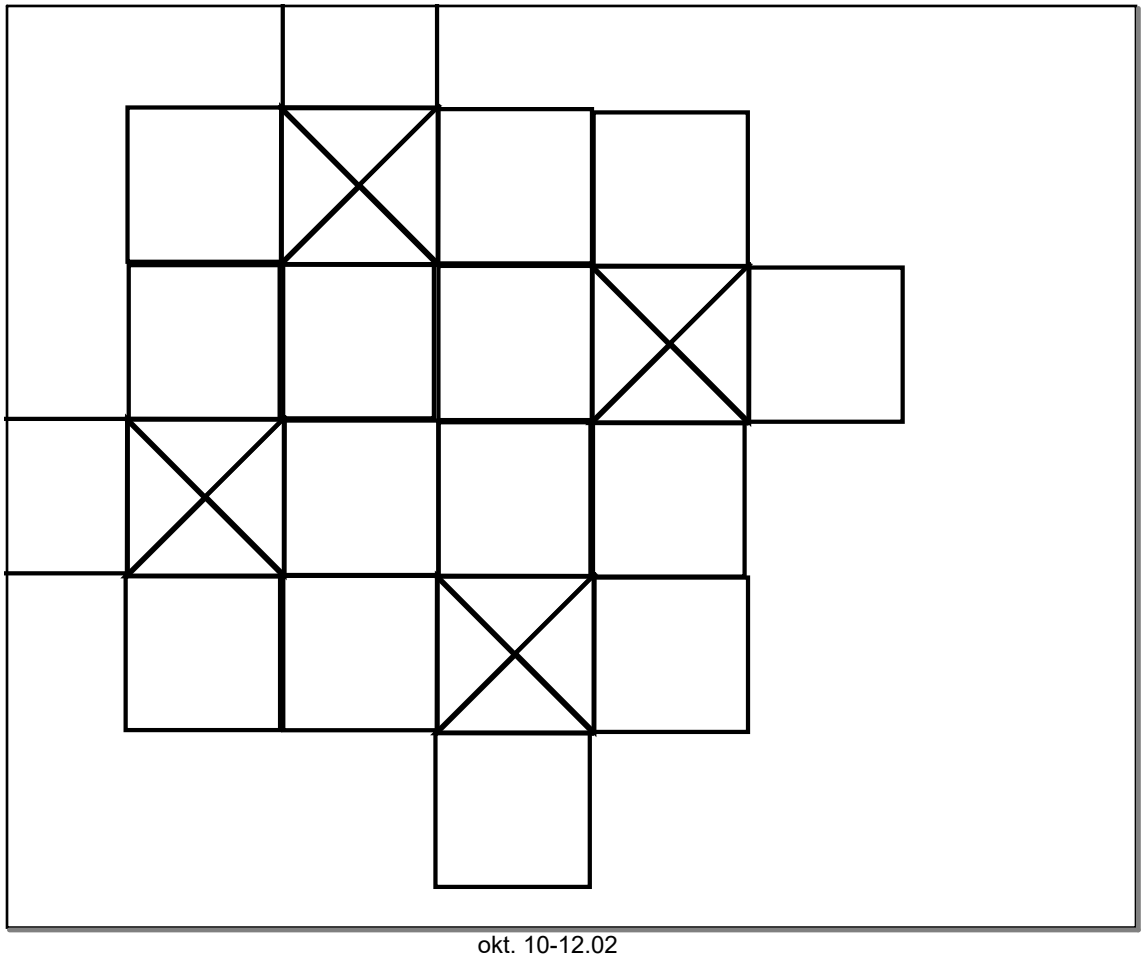
3 = 180 +180

4 = 360 +180

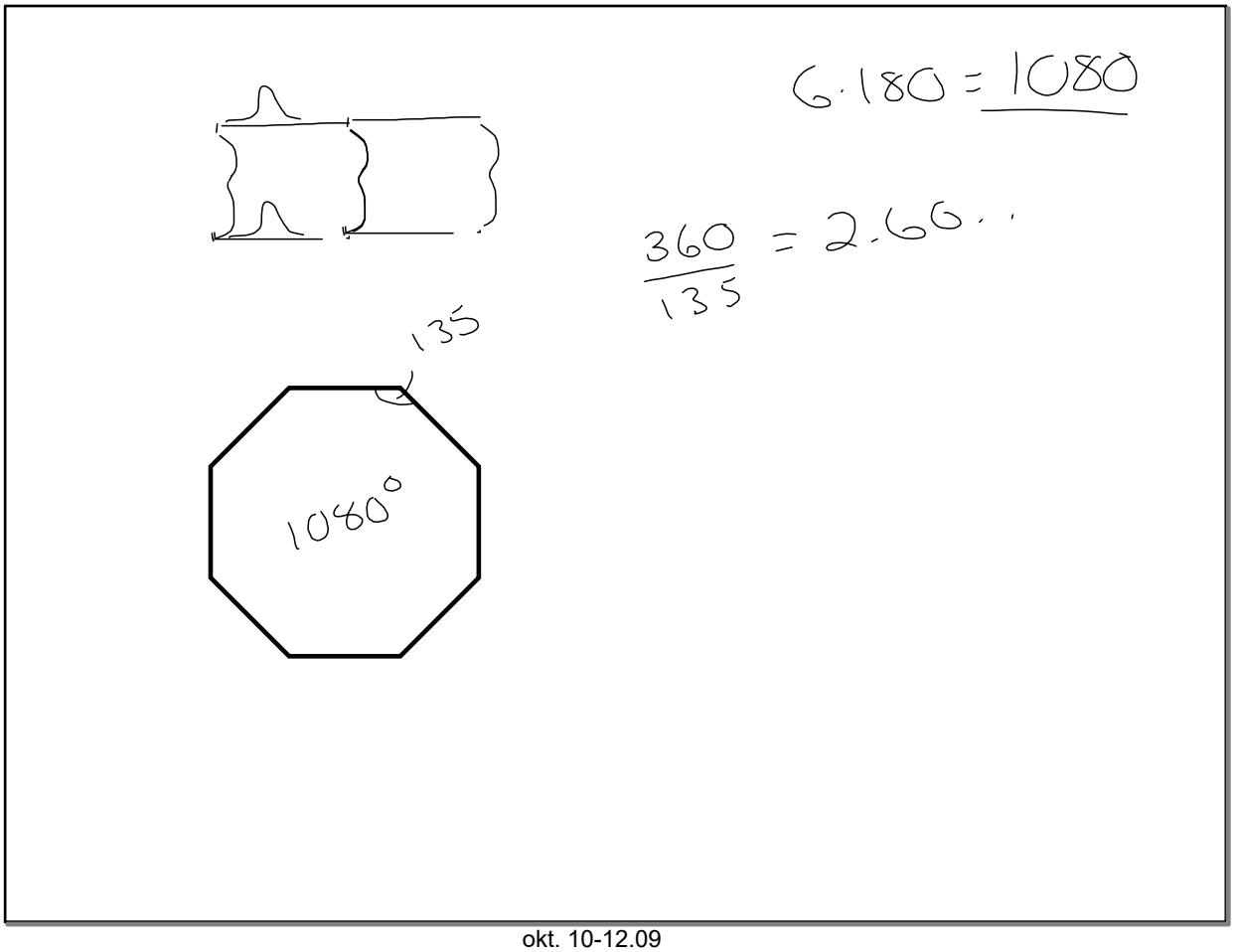
5 = 540 +180

6 = 720

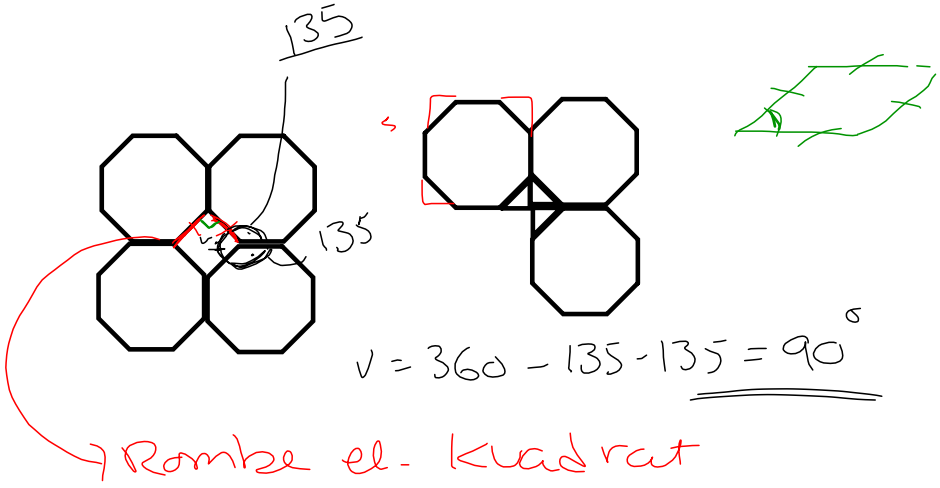
okt. 10-11.57



okt. 10-12.02



okt. 10-12.09



$v = 360 - 135 - 135 = 90^\circ$

→ Romb el. kvadrat

okt. 10-12.51

Vinkelsum i mangekant

n kanter så er vinkelsummen

$$(n-2)\cdot 180^\circ$$

3-kant : $n = 3 \Rightarrow (3-2)\cdot 180^\circ = 180^\circ$

4-kant : $n = 4 \Rightarrow (4-2)\cdot 180^\circ = 360^\circ$

5-kant : $n = 5 \Rightarrow (5-2)\cdot 180^\circ = 520^\circ$

osv.

okt. 10-12.53