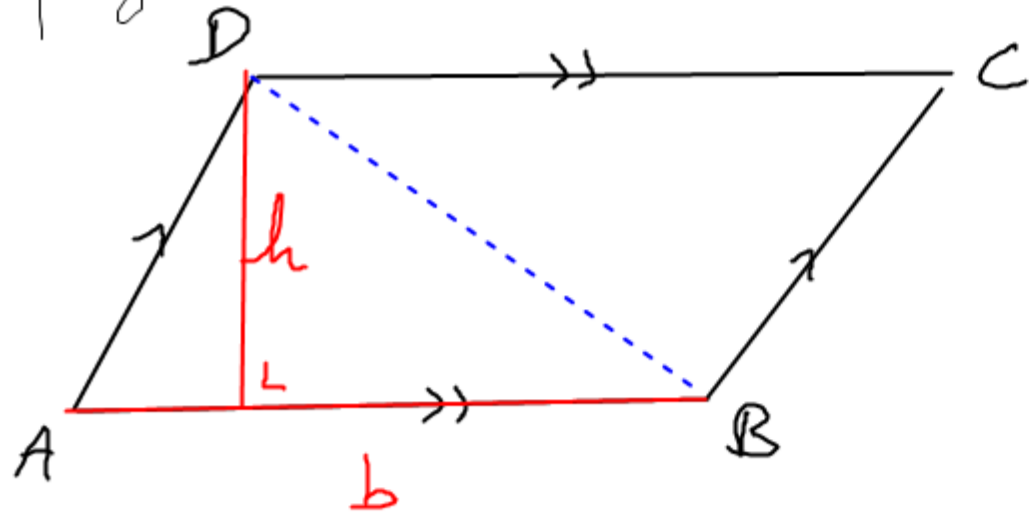
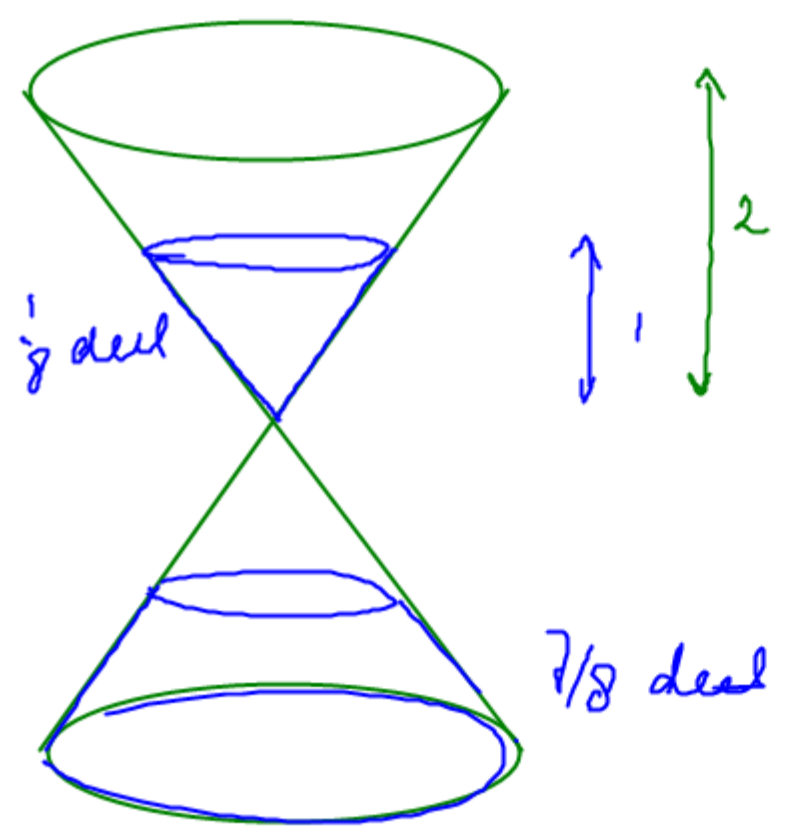


$\phi \parallel g$



$$ABCD = b \times h$$

27



lengthenend  
oppervlakte  
inhoud

$$\begin{aligned} & \times \frac{1}{2} \\ & \times \frac{1}{2}^2 \\ & \times \frac{1}{2}^3 = \frac{1}{8} \end{aligned}$$

$$28 \quad \underline{a} \quad \frac{1}{3} \cdot 12 \times 12 \times 28 = 1344 \text{ cm}^3$$

b die 7 cm is  $\frac{1}{4}$  deel van 28 cm

$$\text{dus } k = \frac{3}{4}$$

$$\underline{c} \quad \left(\frac{3}{4}\right)^3 \leftarrow 1344 \text{ cm}^3$$

$$\underline{d} \quad \begin{array}{r} \text{Inhoud balk} - \text{Inhoud piramide} = \dots \text{ cm}^3 \\ 14 \cdot 14 \cdot 30 - 1344 = \dots \text{ cm}^3 \end{array}$$

Zg a gewicht <sup>keel</sup> 4,5 kg      gewicht <sup>lygen</sup>  $4,5 \cdot 4^3 = 288$  kg

b vacht 15 dm<sup>2</sup>      vacht  $15 \cdot 4^2 = 240$  dm<sup>2</sup>

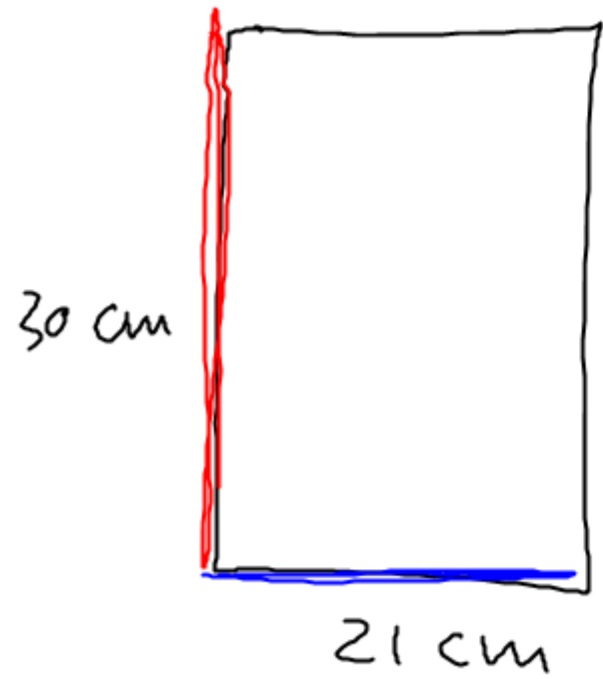
c

$$\frac{\text{opp}}{\text{kg}} \quad \frac{15 \text{ dm}^2}{4,5 \text{ kg}} \quad > \quad \frac{240 \text{ dm}^2}{288 \text{ kg}}$$

$$3 \frac{\text{dm}^2}{\text{kg}} \quad \quad \quad 1 \frac{\text{dm}^2}{\text{kg}}$$

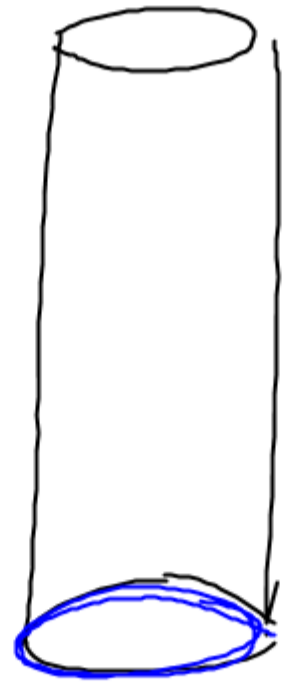
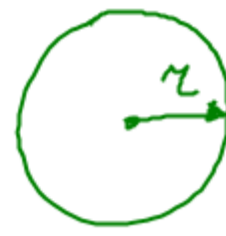
Inhoud	balk	Opp grondvlak	$l \times b$	$\times$	hoogte
	Cilinder	Opp grondvlak	$\pi r^2$	$\times$	hoogte
	<hr/> kegel		?		
	pyramide		?		

A 4-tje

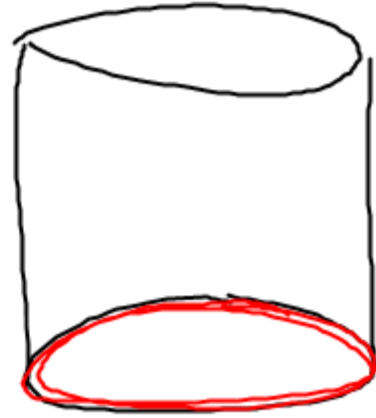


opp. cirkel  
omk. cirkel

$$\pi r^2 =$$
$$2\pi r = 21$$



$$1053 \text{ cm}^3$$



$$1504 \text{ cm}^3$$

Bereken de inhoud van de 2 cilinders die je met  
dit papier kunt maken

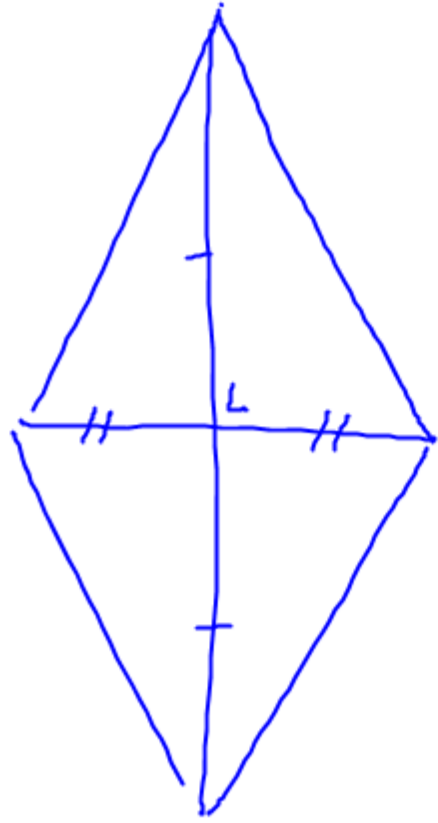
Monday

h b vk

h b S1

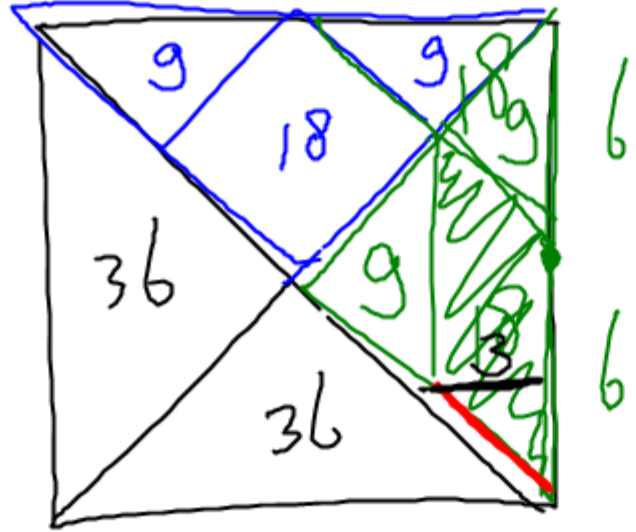
h b S2 eps 7

Ruid



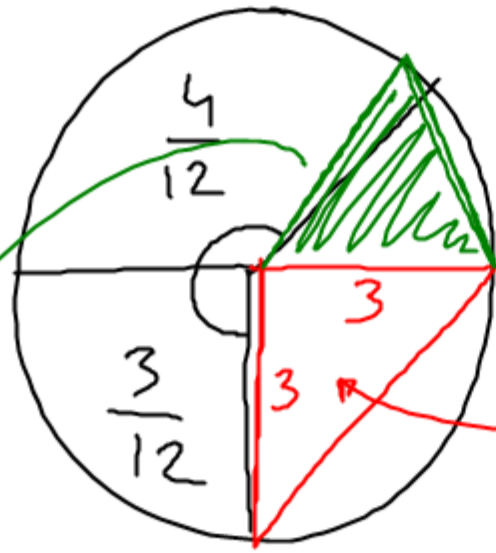
V1

opp  $12 \times 12 = 144 \text{ cm}^2$



$$\begin{aligned}\sqrt{3^2 + 3^2} &= \sqrt{18} \\ &= \sqrt{9 \cdot 2} \\ &= 3\sqrt{2}\end{aligned}$$

$\sqrt{3}$

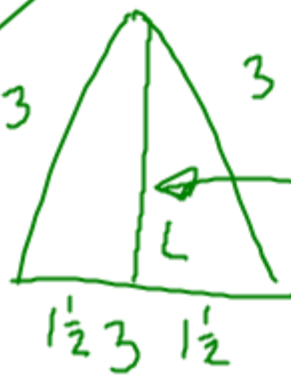


opp cirkel  $\pi r^2$   
 omtrek cirkel  $2\pi r$

opp  $\frac{1}{2} \cdot 3 \cdot 3 = 4\frac{1}{2} \text{ cm}^2$

wid  $\frac{7}{12}$  deel opp  $\frac{7}{12} \cdot \pi \cdot 3^2 = \frac{63}{12} \pi \text{ cm}^2$

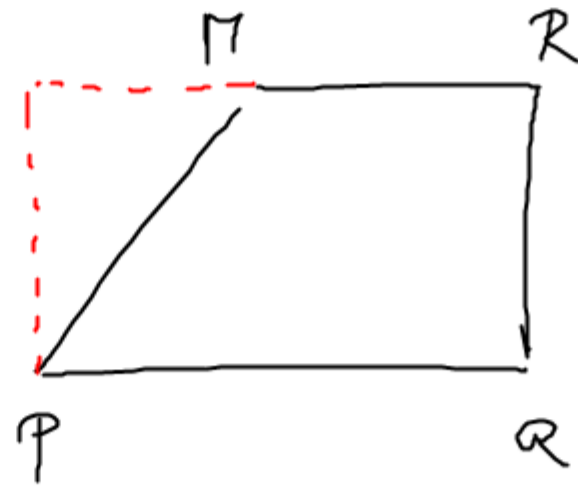
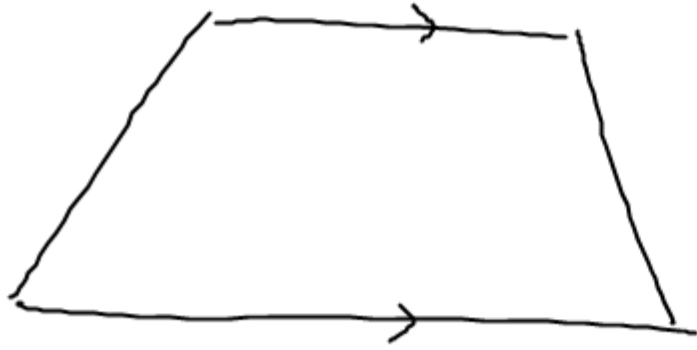
omk  $\frac{7}{12} \cdot 2\pi \cdot 3 = \frac{42}{12} \pi \text{ cm}$

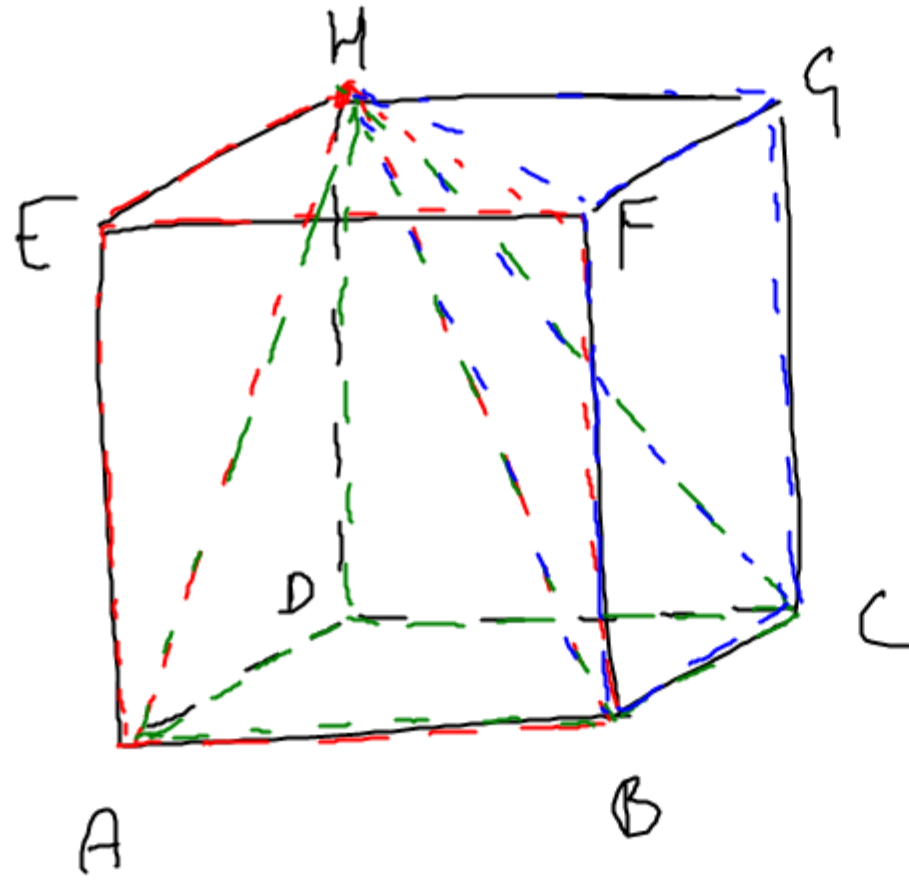


$h = \sqrt{3^2 - \frac{1}{2}^2}$

opp =  $\frac{1}{2} \cdot 3 \cdot \sqrt{3^2 - \frac{1}{2}^2}$

Trapezium





$$ABFE \cdot H$$

$$ABCD \cdot H$$

$$BCGF \cdot H$$

---

Inhoud kubus

$$\text{Inhoud piramide} = \frac{1}{3} \cdot \text{Inh kubus}$$

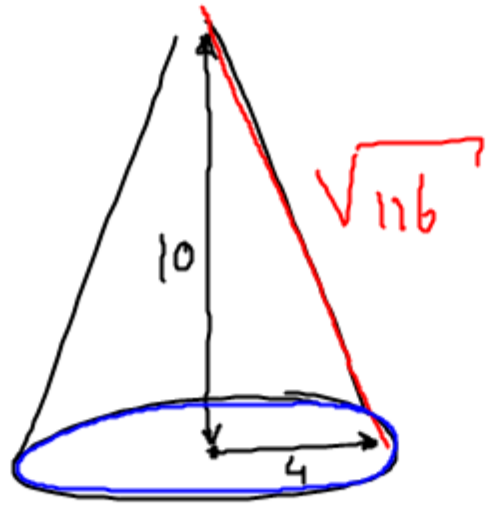
Inhoud pyramide  
kegel is

$$\frac{1}{3} \times \text{grondvlak} \times \text{hoogte}$$

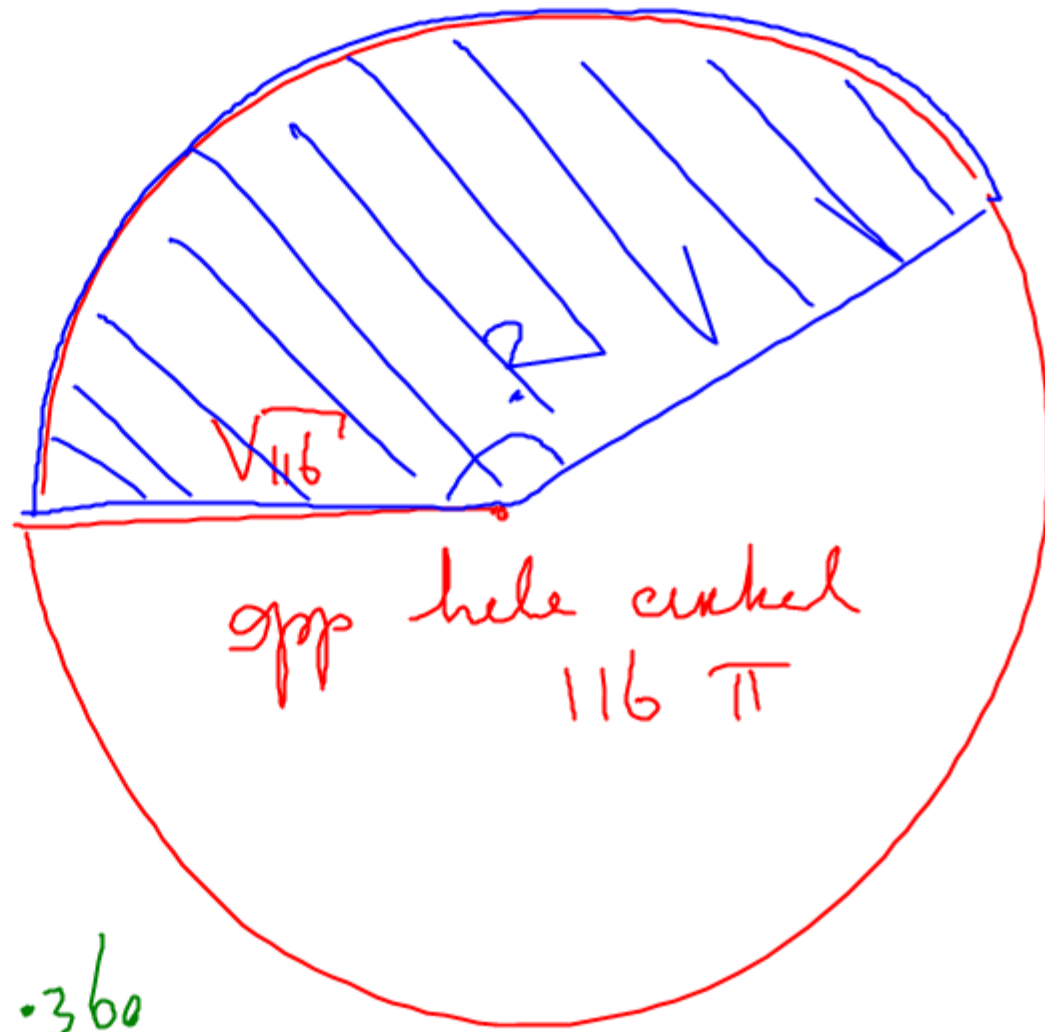
huiswerk dinsdag § 6.2

woensdag 1<sup>o</sup> uur § 6.3

21 a



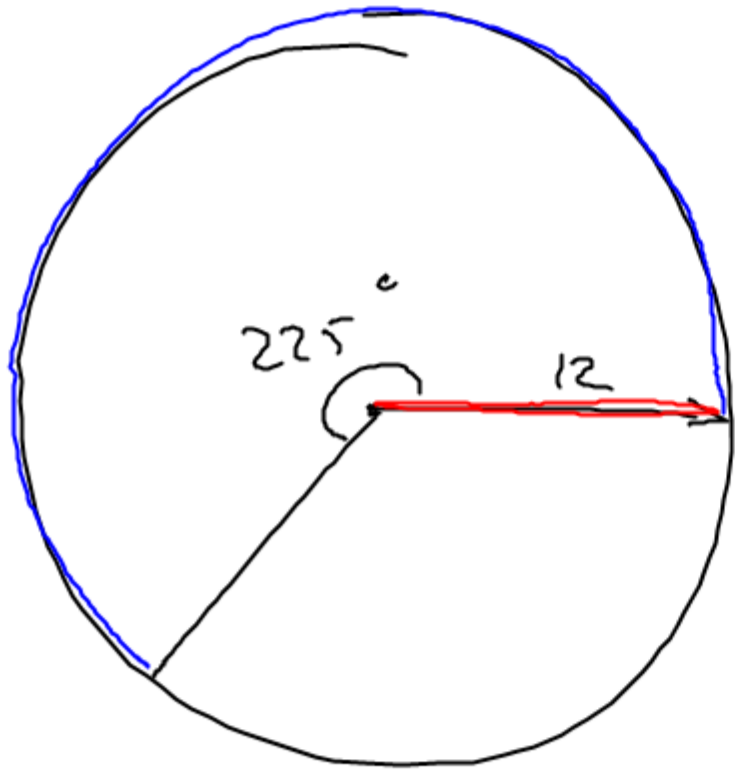
omkrets  $8\pi =$   
25 cm



egnskaper	360	..? = $\frac{4}{\sqrt{116}} \cdot 360$
afstand	68	25
<u>6</u>	grader	360   133,7
	opp	116 $\pi$   ....

omkrets  $2\sqrt{116}\pi =$   
 $21,6\pi =$   
68 cm

10

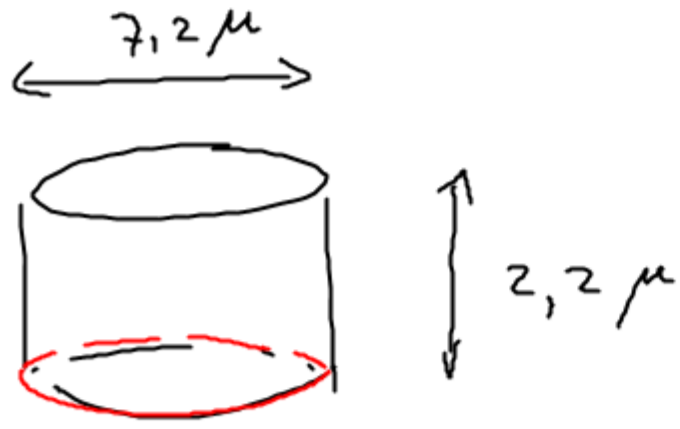


$$\text{In height} = \frac{1}{3} \times 9 \times h$$

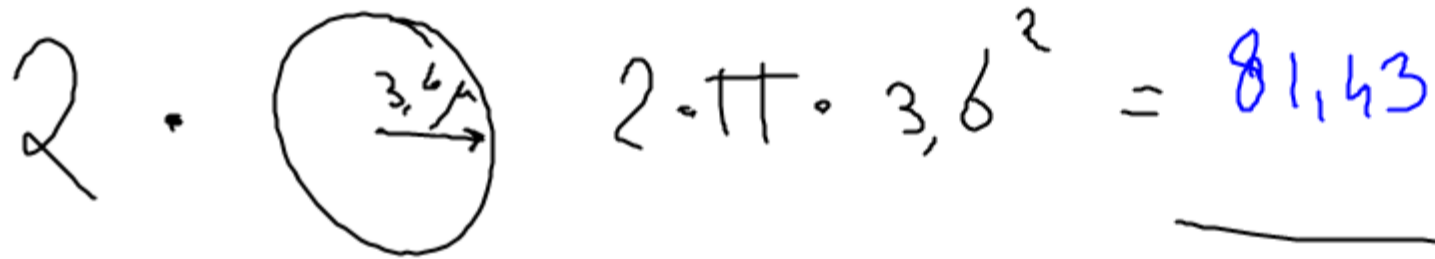
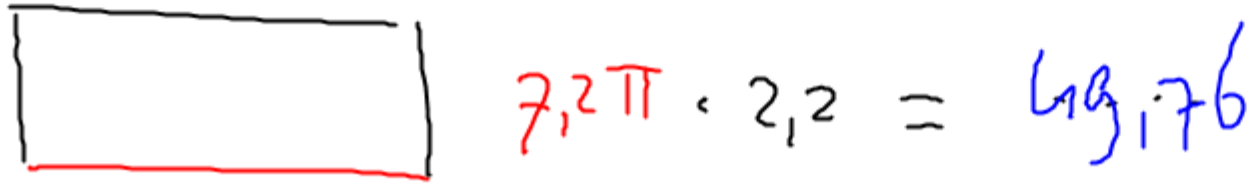
Answer Sunday 29

22

a



omkrets  $\pi d = 7,2 \pi$

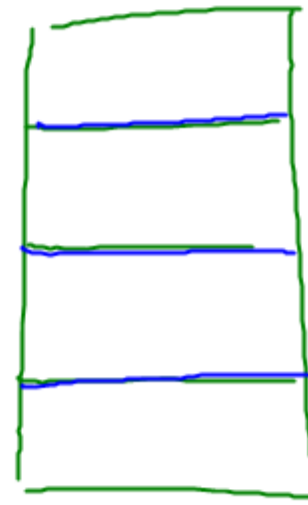


$2 \cdot \pi \cdot 3,6^2 = 81,43$

$131,2 \mu^2$

$4 \times 131,2 = 524,8 \mu^2$

b



$4 \times 131,2 =$

$3 \times 81,4 =$

$280,5 \mu^2$

c 4 apart opp 524,8  $\mu^2$

↳ Damen opp 280,5  $\mu^2$

opp	524,8	280,5
%	100	...

Verzorgen  $k > 1$

verkleinen  $0 < k < 1$

lengte maat

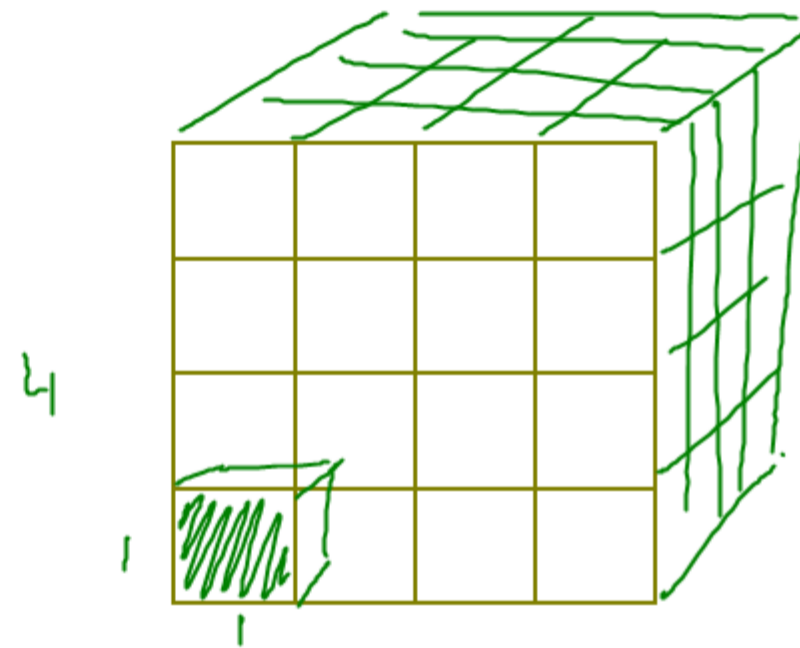
$L$  keer zo groot

oppervlakte maat

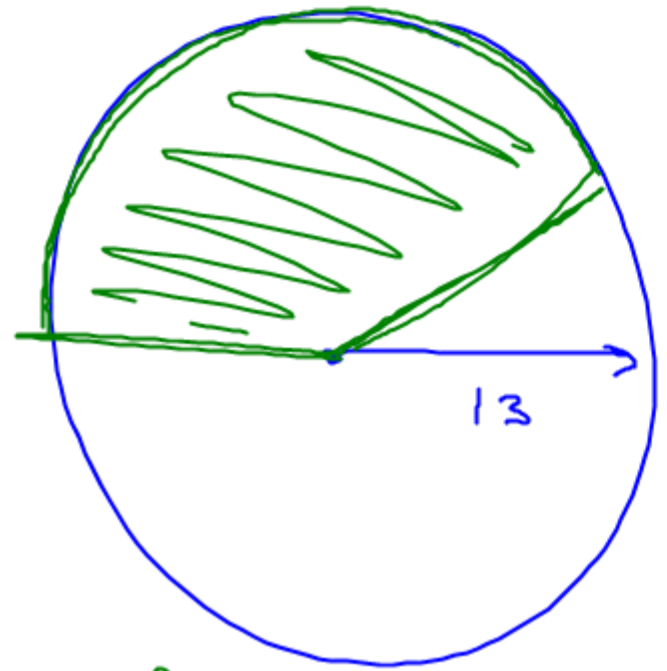
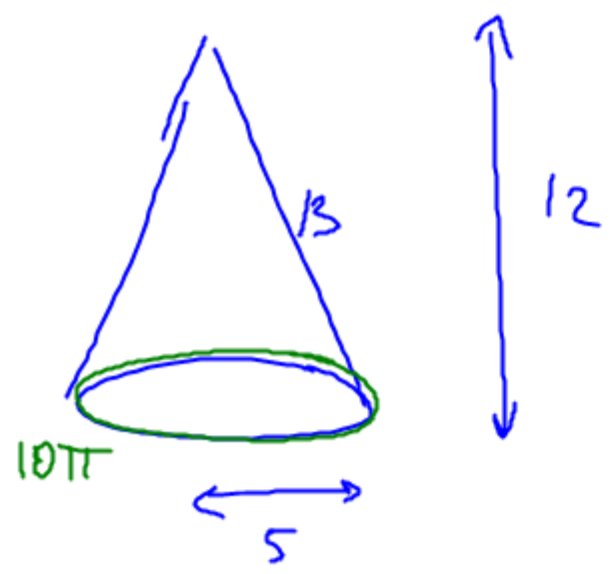
$L^2$  keer zo groot (16)

Inhoudsmaat

$L^3$  keer zo groot (64)

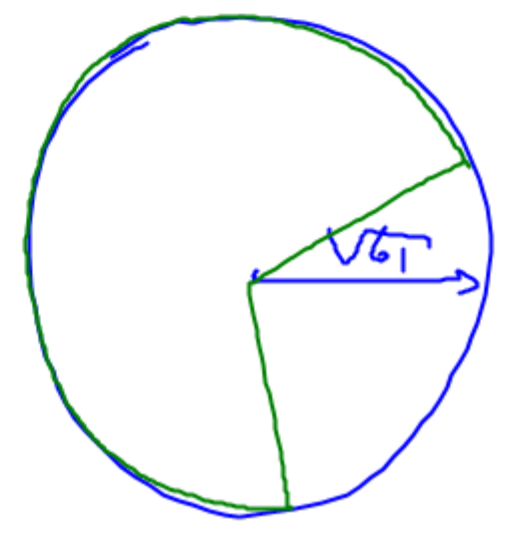
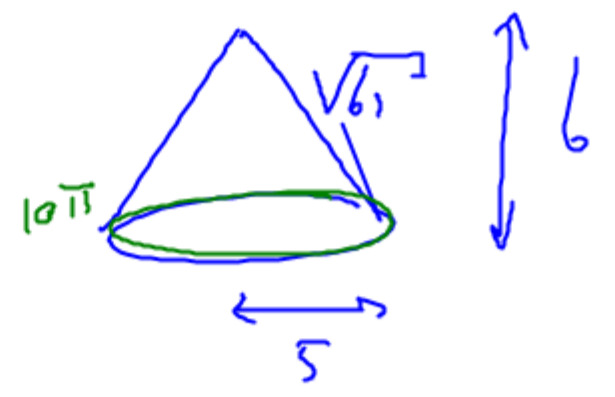


23



$$\frac{10\pi}{26\pi} \cdot \pi \cdot 13^2 = 26\pi$$

$2 \times$



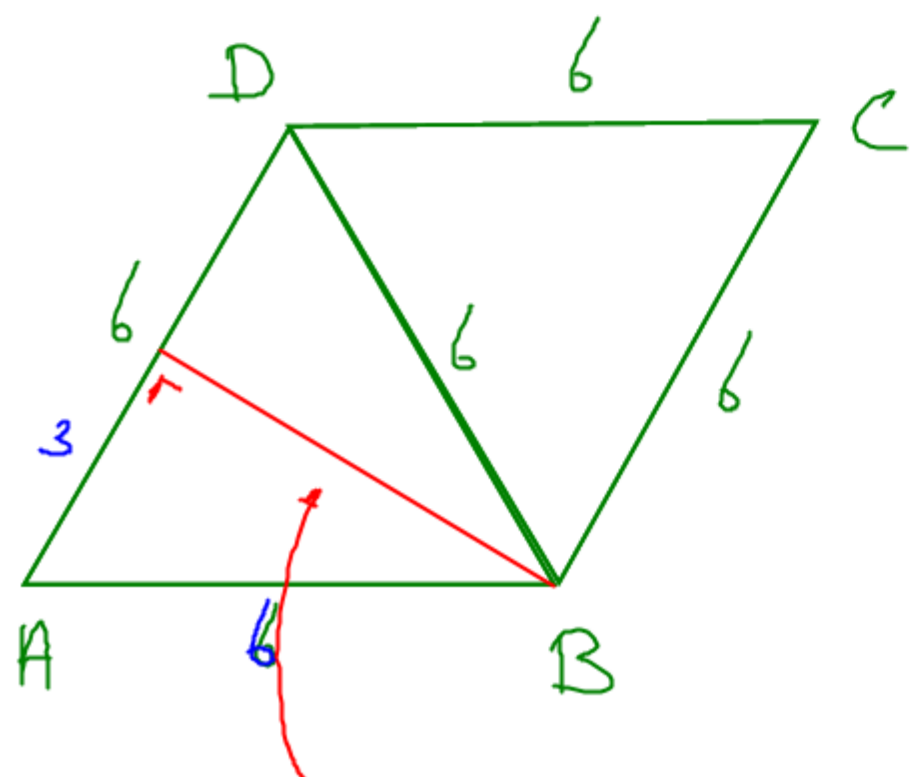
$$2\sqrt{61}\pi$$

$$2 \times \frac{10\pi}{2\sqrt{61}\pi} \cdot \pi \cdot 61$$



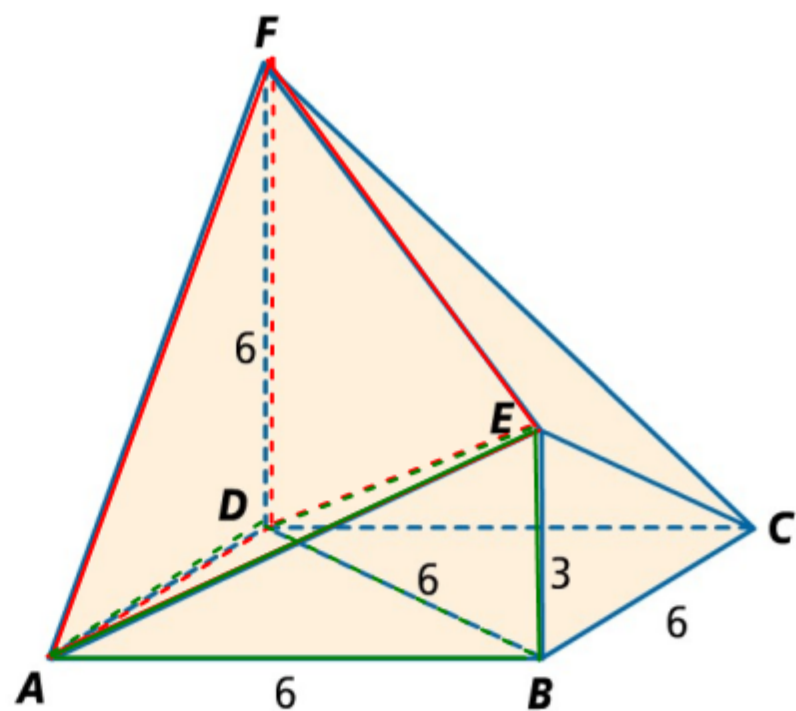
32

bovenaanzicht



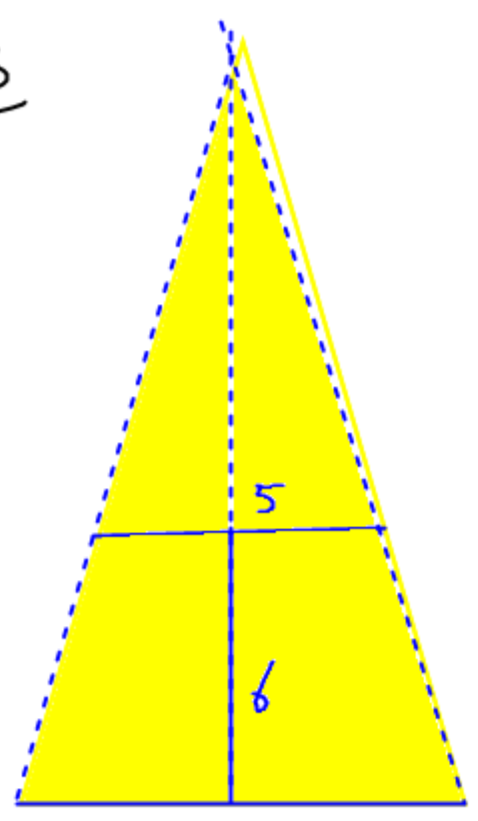
dit is de afstand

$$\sqrt{6^2 - 3^2} = \sqrt{27}$$
$$= 3\sqrt{3}$$



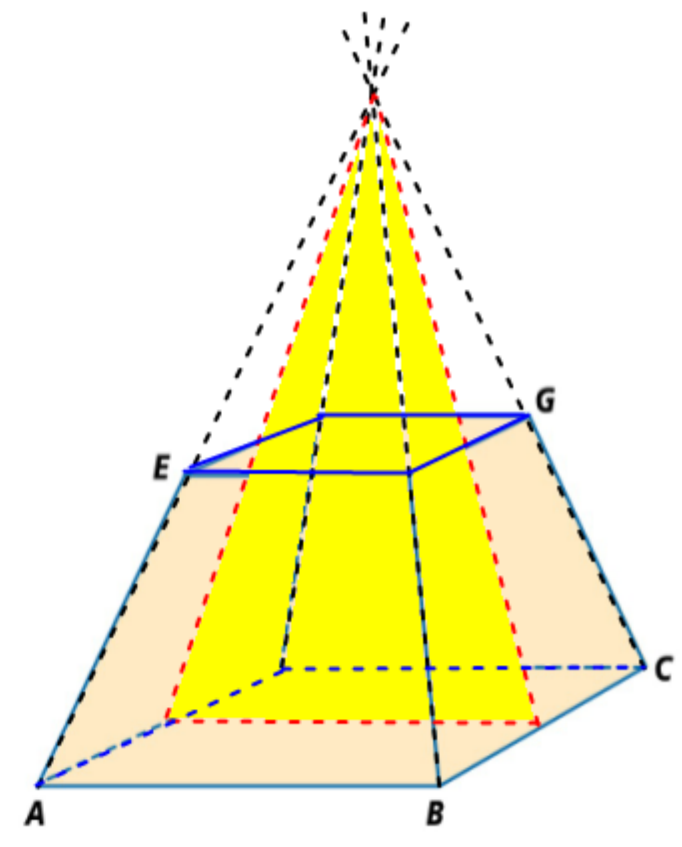
$$\begin{array}{r} ADF \cdot E \\ ABD \cdot E \\ \hline BDFE \cdot A \end{array} +$$

33



	afstand	hoogte
van g naar 5	is 4	6
van g naar o	is 9	?

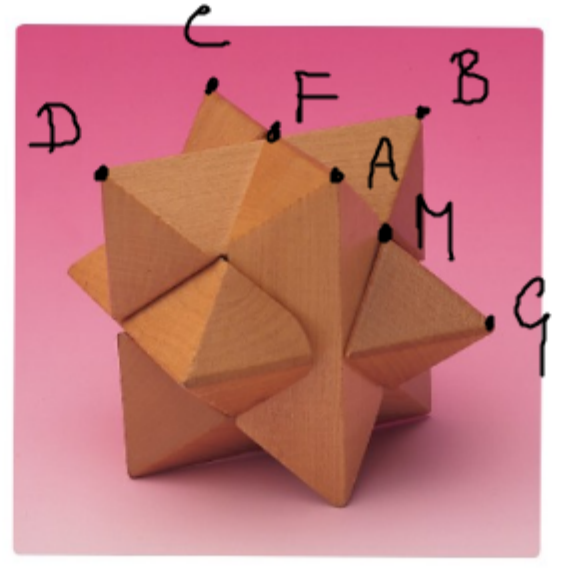
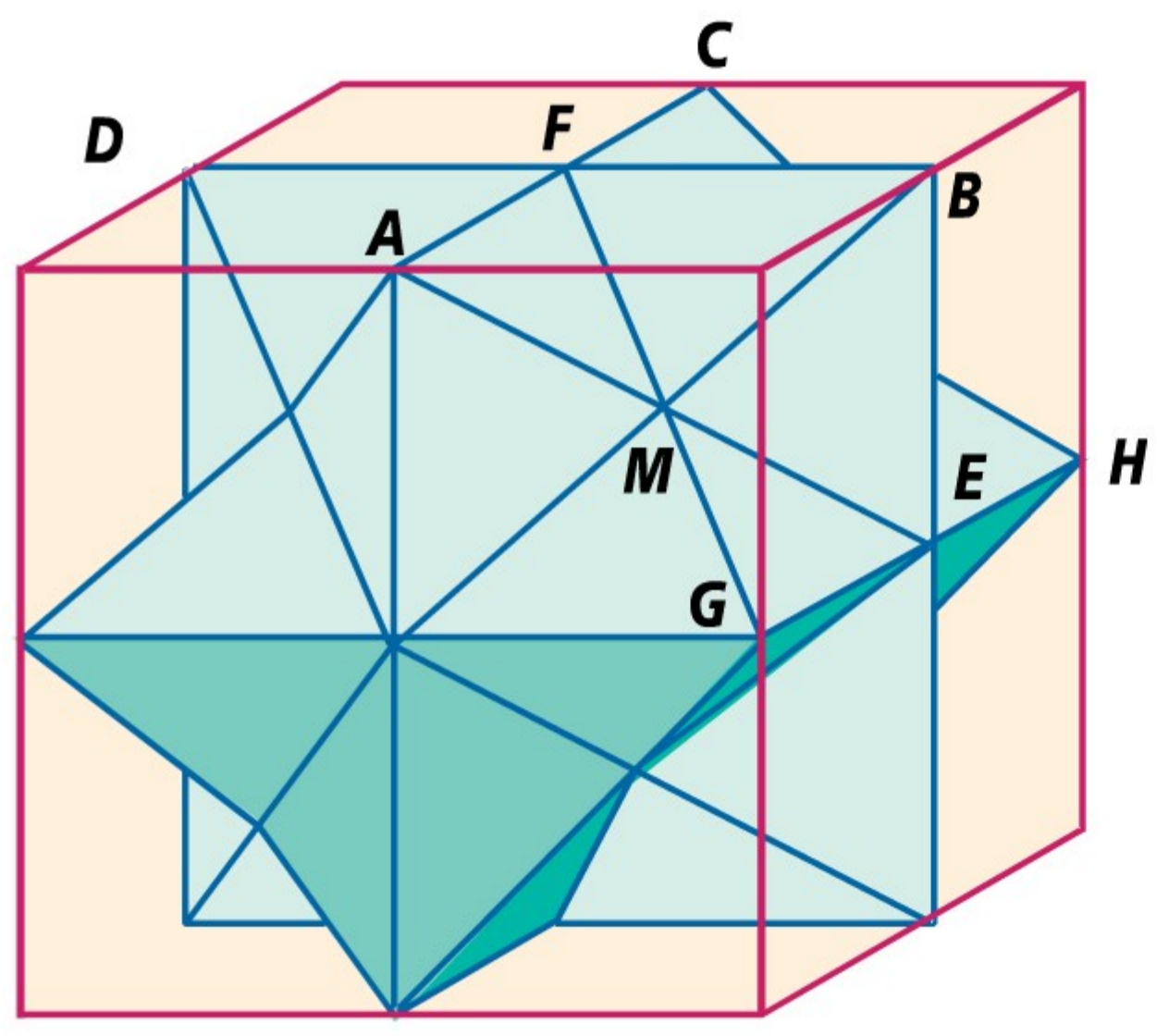
? = 13,5



$$\left. \begin{aligned} & \frac{1}{3} \cdot 9 \cdot 9 \cdot 13\frac{1}{2} \\ & \frac{1}{3} \cdot 5 \cdot 5 \cdot 7\frac{1}{2} = 302 \end{aligned} \right\}$$

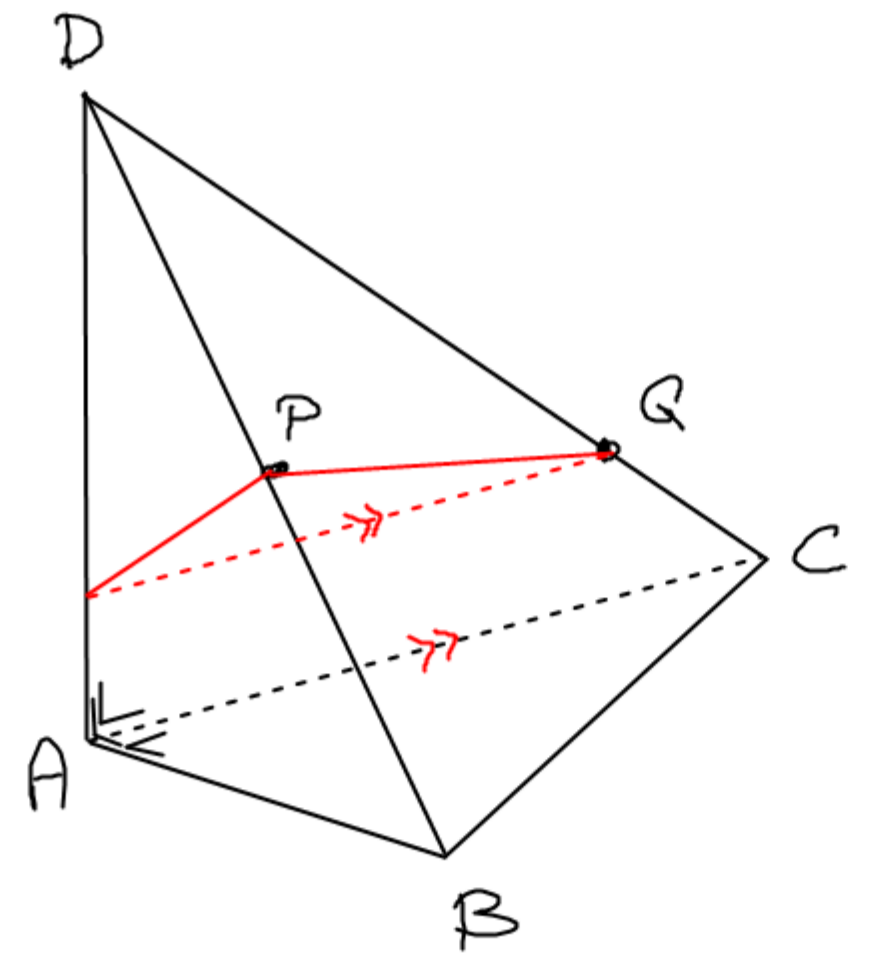
$$\left. \right\} 6 \cdot 7 \cdot 7 = 294$$

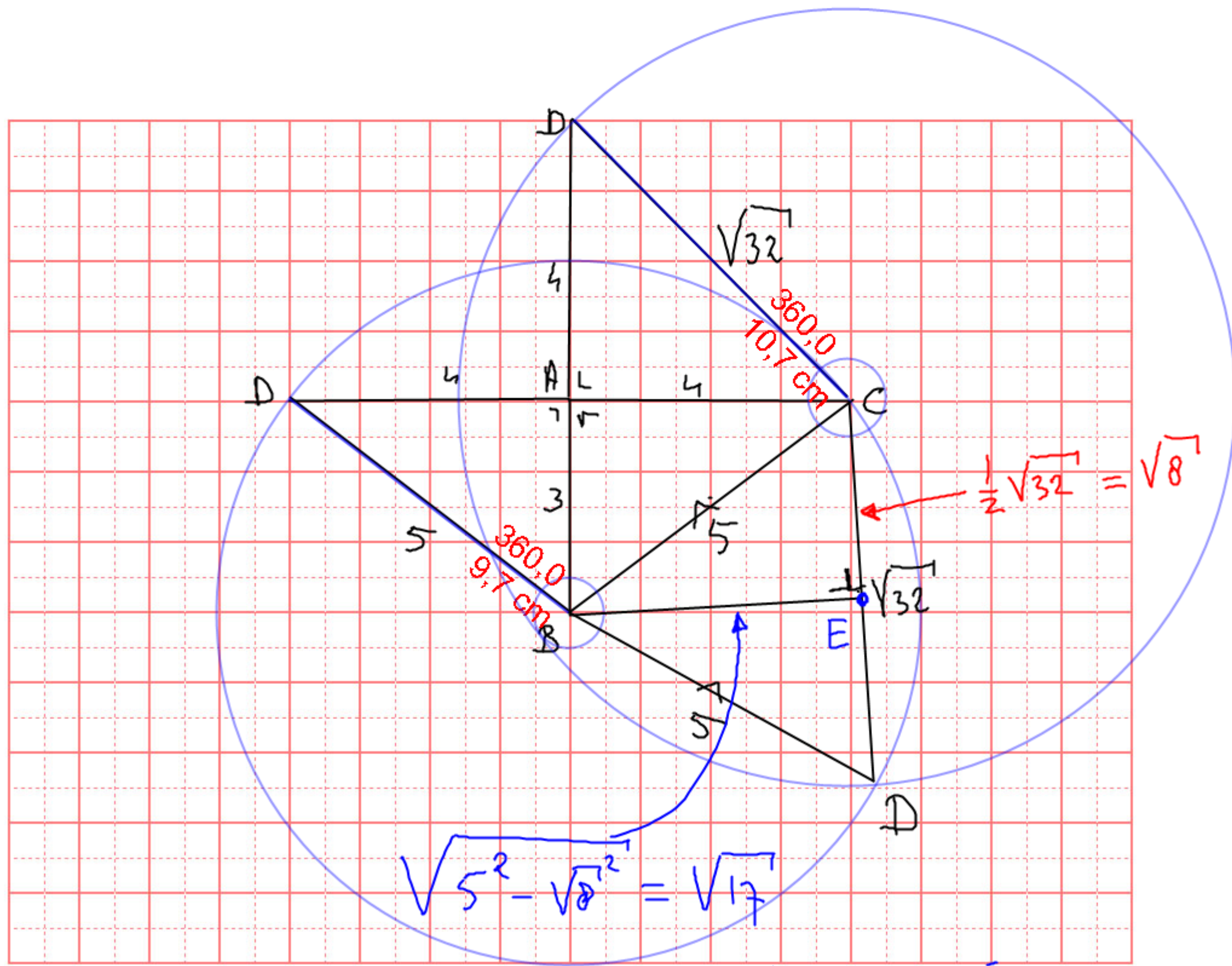
34



miswerk manday  $\downarrow$  page 34

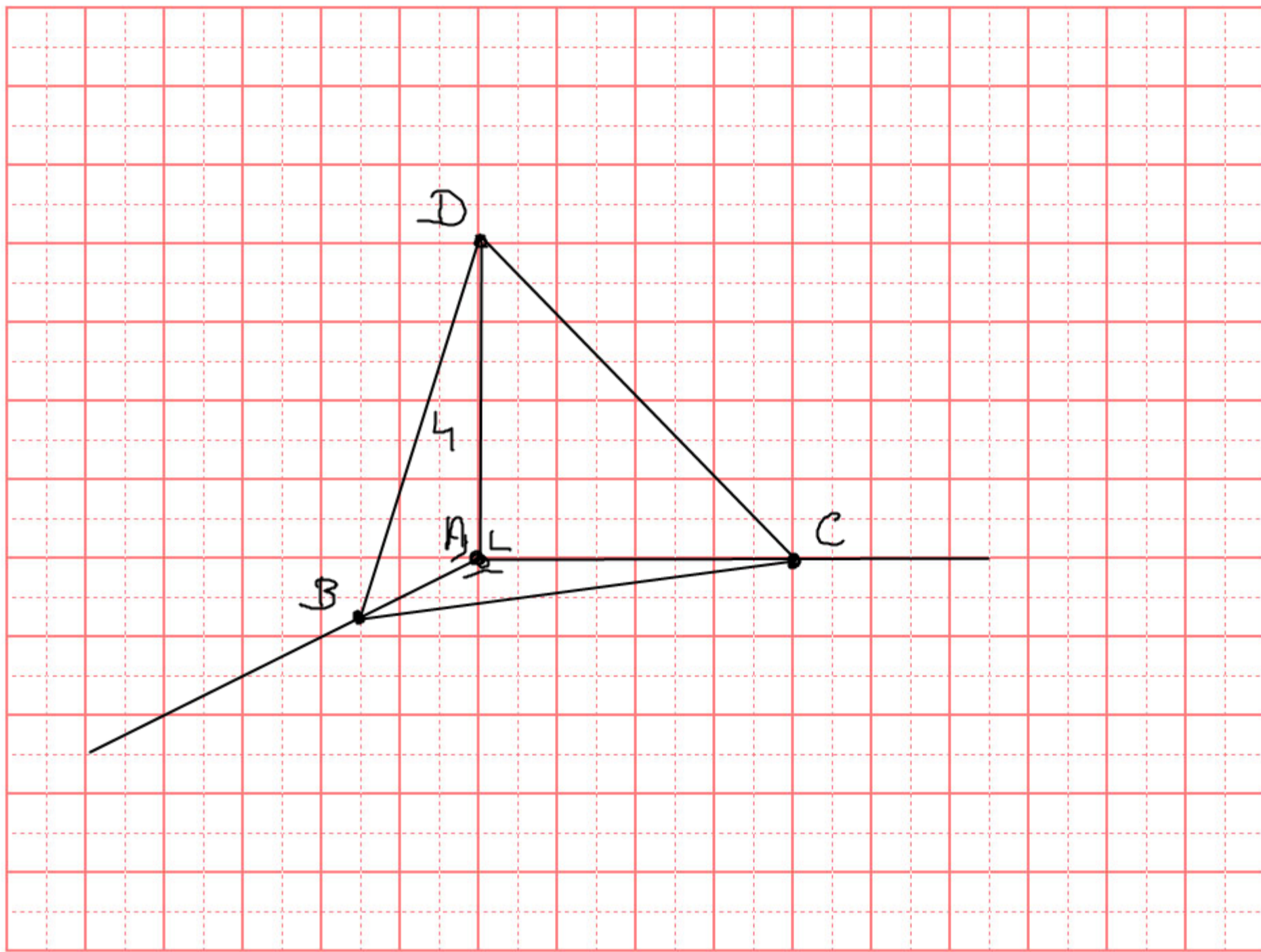
Oefenact  
opgave 1



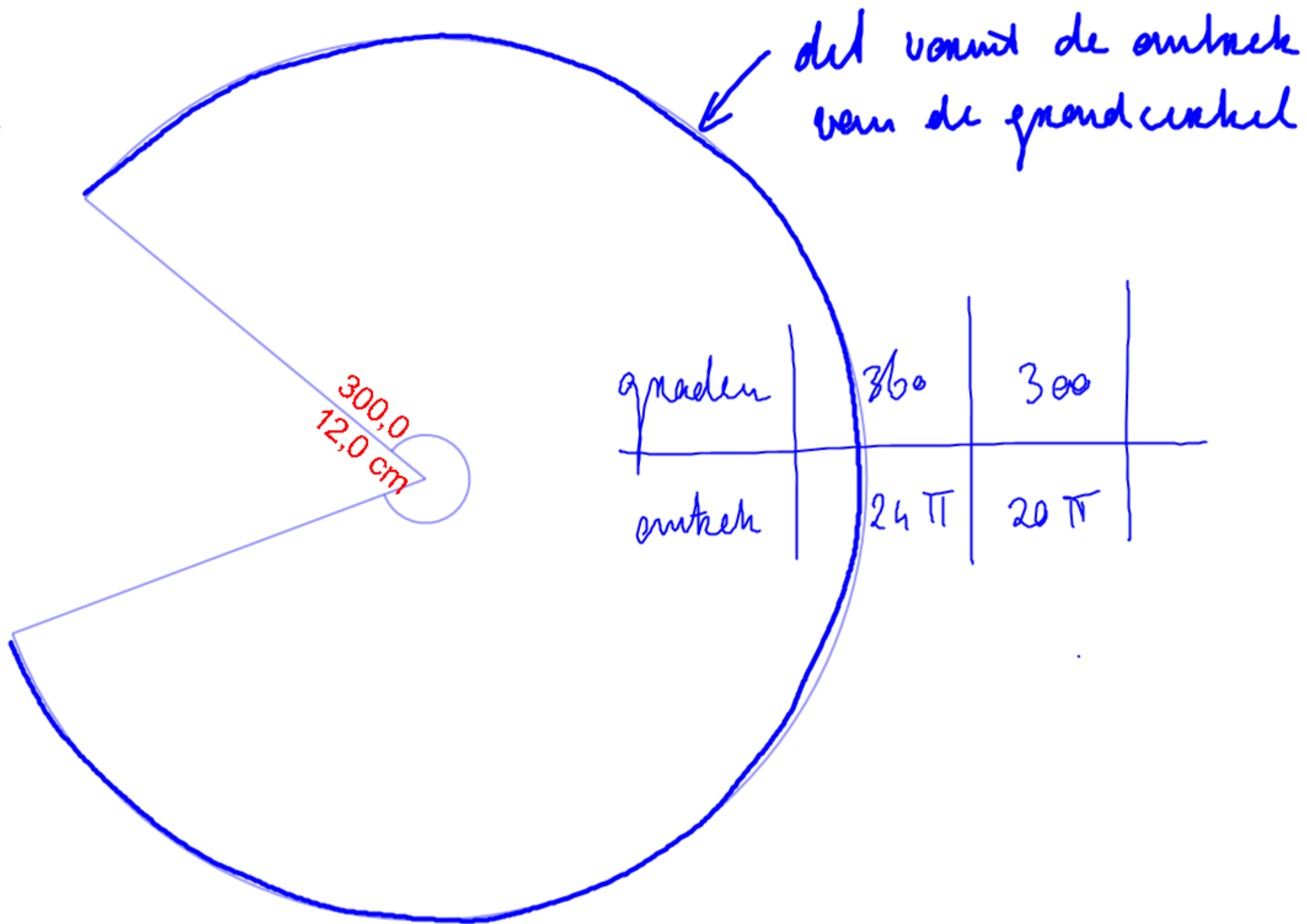


$$\sqrt{5^2 - \sqrt{8}^2} = \sqrt{17}$$

$$\begin{aligned}
 \text{Opp} &= \frac{1}{2} \cdot CD \cdot BE \\
 &= \frac{1}{2} \cdot \sqrt{32} \cdot \sqrt{17} =
 \end{aligned}$$



2



graden	360	300
omtrek	$24\pi$	$20\pi$