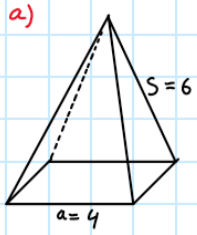
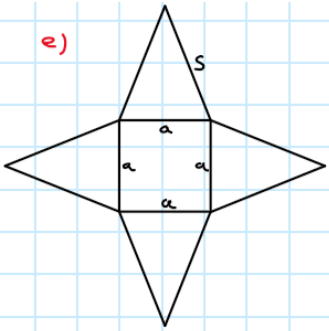
	Navn:		Skole:	
	Klasse: 20		Dato: 8. april 2021	Fag: Matematik A

Opgave 157

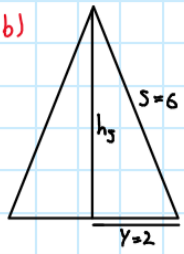
a)



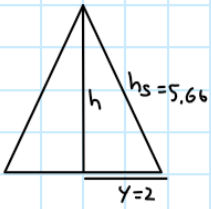
e)



b)

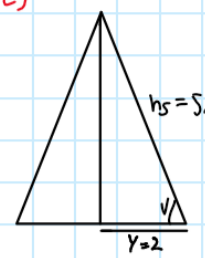


$h_s = \sqrt{S^2 - y^2}$
$= \sqrt{6^2 - 2^2}$ | indsæt tal
$= \sqrt{36 - 4}$ | potens
$= \sqrt{32}$ | minus
$= 5.66$ | kvrod



$h = \sqrt{h_s^2 - y^2}$
$= \sqrt{5.66^2 - 2^2}$ | indsæt tal
$= \sqrt{32 - 4}$ | potens
$= \sqrt{28}$ | minus
$= 5.3$ | kvrod

c)



$V = \cos^{-1}\frac{y}{h_s}$
$= \cos^{-1}\frac{2}{5.66}$ | indsæt tal
$= \cos^{-1}.353$ | brøk
$= 69.3$ | $\cos^{-1}$

d)

$A = a^2 + 4 \cdot \frac{1}{2} \cdot a \cdot h_s$
$= 4^2 + 4 \cdot \frac{1}{2} \cdot 4 \cdot 5.66$ | indsæt tal
$= 16 + 4 \cdot \frac{1}{2} \cdot 4 \cdot 5.66$ | potens
$= 16 + 4 \cdot \frac{1}{2} \cdot 22.64$ | gange
$= 16 + 45.28$ | gange
$= 61.28$ | plus