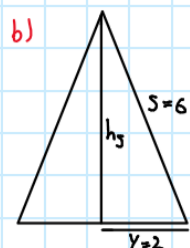
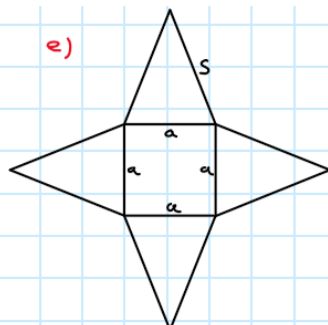
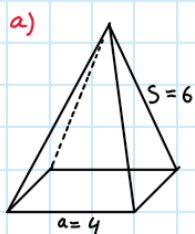
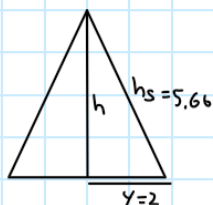


	Navn:		Skole:	
	Klasse: 20		Dato: 8. april 2021	Fag: Matematik A

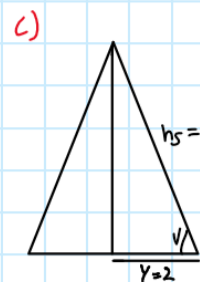
## Opgave 157



$$\begin{aligned}
 h_s &= \sqrt{S^2 - y^2} \\
 &= \sqrt{6^2 - 2^2} && \text{indsæt tal} \\
 &= \sqrt{36 - 4} && \text{potens} \\
 &= \sqrt{32} && \text{minus} \\
 &= 5.66 && \text{kvadr}
 \end{aligned}$$



$$\begin{aligned}
 h &= \sqrt{h_s^2 - y^2} \\
 &= \sqrt{5.66^2 - 2^2} && \text{indsæt tal} \\
 &= \sqrt{32 - 4} && \text{potens} \\
 &= \sqrt{28} && \text{minus} \\
 &= 5.3 && \text{kvadr}
 \end{aligned}$$



$$\begin{aligned}
 v &= \cos^{-1} \frac{y}{h_s} \\
 &= \cos^{-1} \frac{2}{5.66} && \text{indsæt tal} \\
 &= \cos^{-1} 0.353 && \text{brøk} \\
 &= 69.3 && \cos^{-1}
 \end{aligned}$$

d)

$$\begin{aligned}
 A &= a^2 + 4 \cdot \frac{1}{2} a h_s \\
 &= 4^2 + 4 \cdot \frac{1}{2} 4 \cdot 5.66 && \text{indsæt tal} \\
 &= 16 + 4 \cdot \frac{1}{2} 4 \cdot 5.66 && \text{potens} \\
 &= 16 + 4 \cdot \frac{1}{2} 22.64 && \text{ gange} \\
 &= 16 + 4 \cdot 11.32 && \text{ gange} \\
 &= 61.28 && \text{ plus}
 \end{aligned}$$