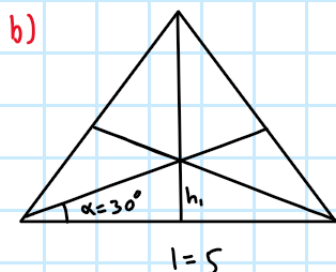
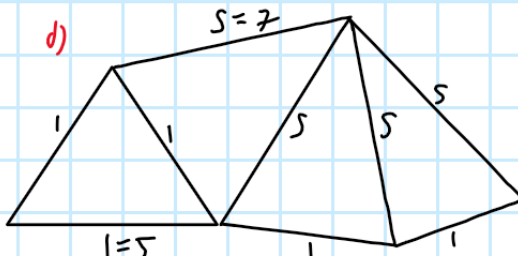
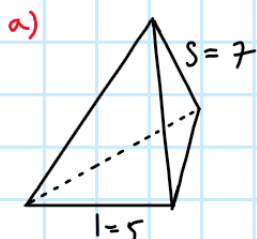
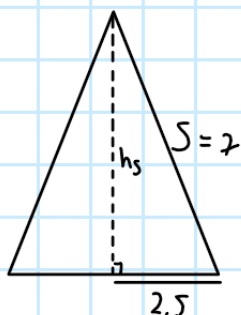


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| | Navn: | | Skole: | |
| | Klasse: 20 | | Dato: 8. april 2021 | Fag: Matematik A |

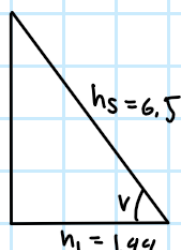
Opgave 156



$$\begin{aligned}
 h_1 &= \tan \alpha \cdot \frac{1}{2} \\
 &= \tan 30^\circ \cdot \frac{5}{2} && \text{indsæt tal} \\
 &= \tan 30^\circ \cdot 2.5 && \text{brøk} \\
 &= 0.578 \cdot 2.5 && \text{tan} \\
 &= 1.44 && \text{ang}
 \end{aligned}$$



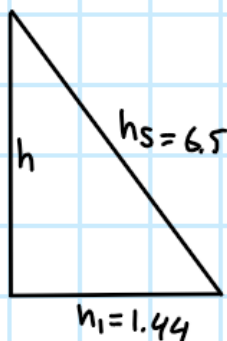
$$\begin{aligned}
 h_s &= \sqrt{S^2 - 2.5^2} \\
 &= \sqrt{7^2 - 2.5^2} && \text{indsæt tal} \\
 &= \sqrt{49 - 6.25} && \text{potens} \\
 &= \sqrt{42.5} && \text{minus} \\
 &= 6.5 && \text{kvadrat}
 \end{aligned}$$



$$\begin{aligned}
 v &= \cos^{-1} \frac{h_1}{h_s} \\
 &= \cos^{-1} \frac{1.44}{6.5} \\
 &= \cos^{-1} .212 \\
 &= 77.7 && \text{indsæt tal} \\
 &&& \text{brøk} \\
 &&& \text{cos}
 \end{aligned}$$

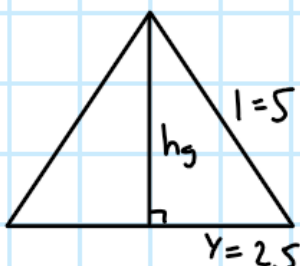
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|--|---------------|--|---------------------|------------------|
| | Navn: | | Skole: | |
| | Klasse: 20 | | Dato: 8. april 2021 | Fag: Matematik A |

c)



$$\begin{aligned}
 h &= \sqrt{h_s^2 - h_1^2} \\
 &= \sqrt{6.5^2 - 1.44^2} \\
 &= \sqrt{42.25 - 2.1} \\
 &= \sqrt{40.15} \\
 &= 6.37
 \end{aligned}$$

indsæt tal
| potens
| minus
| kvadr



$$\begin{aligned}
 h_g &= \sqrt{l^2 - y^2} \\
 &= \sqrt{5^2 - 2.5^2} \\
 &= \sqrt{25 - 6.25} \\
 &= \sqrt{18.75} \\
 &= 4.3
 \end{aligned}$$

indsæt tal
| potens
| minus
| kvadr

$$\begin{aligned}
 A &= \frac{h_g}{2} l + 3 \frac{1}{2} l h_s \\
 &= \frac{4.3 \cdot 5}{2} + 3 \frac{1}{2} 5 \cdot 6.5 \\
 &= 10.75 + 3 \frac{1}{2} 32.5 \\
 &= 10.75 + 48.75 \\
 &= 59.5
 \end{aligned}$$

indsæt tal
| brøk
| gange
| plus