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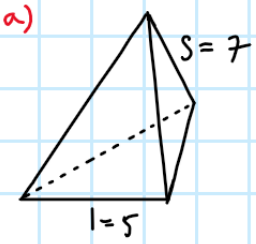
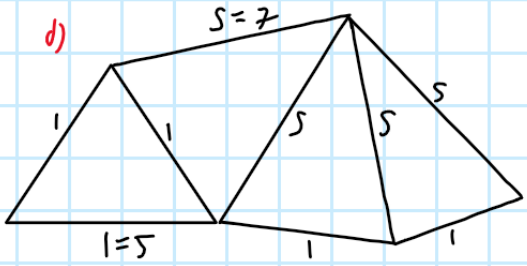
Opgave 156

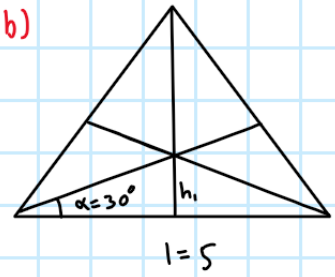
a)



d)



b)



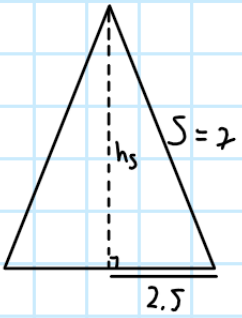
$h_1 = \tan\alpha \cdot \frac{1}{2}$ | lindsæt tal

$= \tan 30° \cdot \frac{5}{2}$ | brøk

$= \tan 30° \cdot 2.5$ | tan

$= 0.578 \cdot 2.5$ | Gang

$= 1.44$



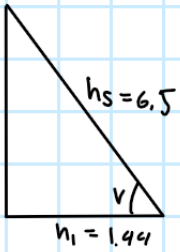
$h_s = \sqrt{S^2 - 2.5^2}$ | lindsæt tal

$= \sqrt{7^2 - 2.5^2}$ | Potens

$= \sqrt{49 - 6.25}$ | minus

$= \sqrt{42.5}$ | kvrod

$= 6.5$



$v = \cos^{-1}\frac{h_1}{h_s}$

$= \cos^{-1}\frac{1.44}{6.8}$ | lindsæt tal

$= \cos^{-1}.212$ | brøk

$= 77.7$ | cos

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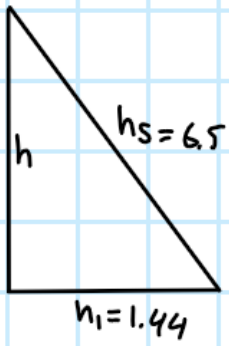
c)



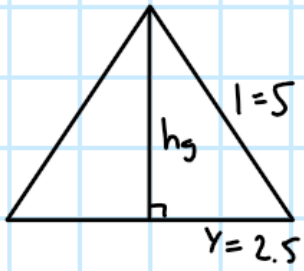
$h = \sqrt{h_s^2 - h_1^2}$

$= \sqrt{6.5^2 - 1.44^2}$ | indsæt tal

$= \sqrt{42.25 - 2.1}$ | potens

$= \sqrt{40.15}$ | minus

$= 6.37$ | kvrod



$h_g = \sqrt{l^2 - Y^2}$

$= \sqrt{5^2 - 2.5^2}$ | indsæt tal

$= \sqrt{25 - 6.25}$ | potens

$= \sqrt{18.75}$ | minus

$= 4.3$ | kvrod

$A = \frac{h_g \cdot l}{2} + 3\frac{1}{2} \cdot h_s$

$= \frac{4.3 \cdot 5}{2} + 3\frac{1}{2} \cdot 5 \cdot 6.5$ | indsæt tal

$= 10.75 + 3\frac{1}{2} \cdot 32.5$ | brøk

$= 10.75 + 48.75$ | gange

$= 59.5$ | plus