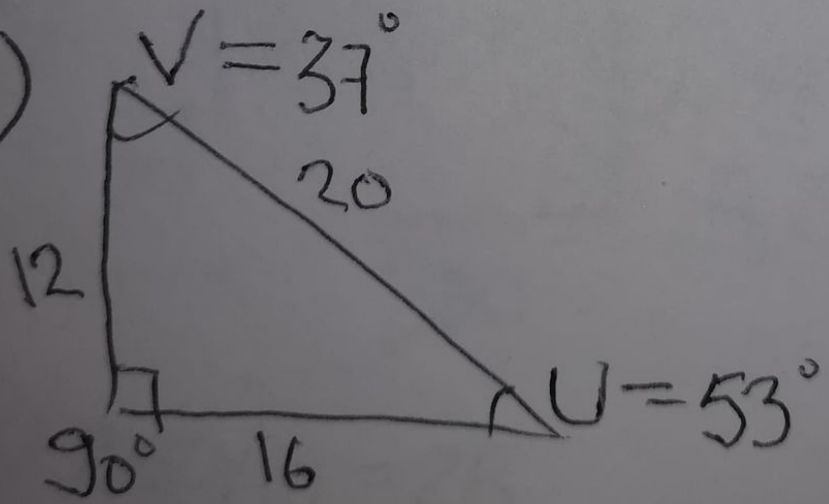
9a) $5 \cdot 1{,}07^3 \approx 6{,}13$

b) $3000 = 5 \cdot 1{,}07^x$ - räkna de

10 a) $\overset{144}{(12 \cdot 12)} + \overset{256}{(16 \cdot 16)} = 400$

$\sqrt{400} = 20$

b)



$16/20 = 0.8$ $\sin^{-1}(0.8) \approx 53$

om $a=10$

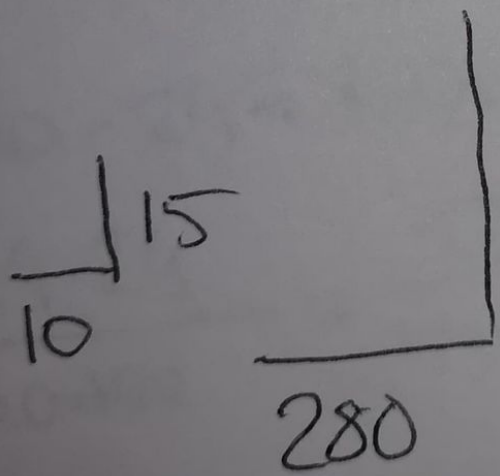
11 Kub: $a^3 = V$ 1000

Cylinder: $\pi \cdot r^2 \cdot a \sim 785$

Kon: $\pi \cdot r^2 \cdot a/3 \sim 261$

4 Pyramid: $(\overset{\text{area}}{a \cdot a}) \cdot a/3 = \sim 333$

12a)



$x = 15 \cdot 28 = 420$

4,2m

b) $280/10 = 28$

28:1

13 area:

$(37 + 12) \cdot 2 = 98$: omkrets

$(\overset{37}{7.5} + 2) \cdot (\overset{12}{4 \cdot 3}) = 444$

$444 - (\overset{25}{5 \cdot 5}) - (\overset{15}{3 \cdot 5}) = 404$

14a) Komplementhändelse = sannolikhet att det inte sker

$100 - 24 = 76\%$ 0.76

b) $\frac{24 \cdot 24}{100 \cdot 100} = \frac{576}{10000}$ $\frac{576/16}{10000/16} = \frac{36}{625}$

$\frac{36}{625} = 0{,}0576$ eller $5{,}76\%$

c) Stolpe: $76 \cdot 0.04 = \frac{3{,}04}{100} = 0{,}0304$

$0{,}0304 \cdot 0{,}76 \cdot 0{,}24 = 0{,}0539904$