

GR 11 → Memo - Lesson 1

(1.1)  $\sin D = \frac{a}{h}$

(2.1)  $\sin 27^\circ = 0,45$

(1.2)  $\cos D = \frac{o}{h}$

(2.2)  $\cos 35^\circ = 0,82$

(1.3)  $\tan D = \frac{a}{o}$

(2.3)  $\tan 40^\circ = 0,84$

(3.1)  $\cos 2A = \cos 2(15^\circ)$   
 $= \cos 30^\circ$   
 $= \underline{\underline{0,866}}$

(4)  $\cos \phi = \frac{12}{13}$

$\hat{\phi} = \cos^{-1}\left(\frac{12}{13}\right)$   
 $= \underline{\underline{22,62^\circ}}$

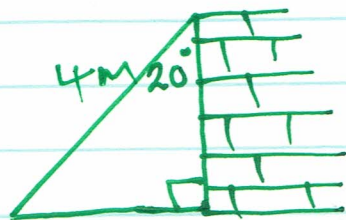
(3.2)  $\sin(A+B) = \sin(15^\circ + 67^\circ)$   
 $= \sin 82^\circ$   
 $= \underline{\underline{0,99}}$

(5)  $\sin 53,13^\circ = \frac{BC}{23,5}$

$23,5 \times \sin 53,13^\circ = BC$   
 $\underline{\underline{18,80 \text{ cm} = BC}}$

(3.3)  $\tan^2 A = \tan^2 15^\circ$   
 $= \underline{\underline{0,07}}$

(6.1)



$\cos 20^\circ = \frac{h}{4}$

$4 \cos 20^\circ = h$

$\underline{\underline{3,76 \text{ m} = h}}$

(6.2)

$\sin 20^\circ = \frac{F}{4}$

$4 \sin 20^\circ = F$

$\underline{\underline{1,37 \text{ m} = F}}$

$h \rightarrow$  height of ladder  
 $F \rightarrow$  foot of ladder