# GEOGRAPHY

you do not

of Hades. THUR I WAS m there which no man car b take him. Are you all Troy, and have you your own house

to consult the ghost of the a vet been near the Achaean ry, and I have had nothing but very first day that I set out nd of noble steeds, to fight the Tron what way did you die? Did you vouchsafe you a gentle easy pasit my father, and the son whom I left It in their hands, or has some one else nks that I shall not return to claim it? Tell me its doing, and in what mind she is; does she

#### ram, a bull, and a boar to Neptune Then go have hecatombs to an the gods in heaven one and self, death shall come to ye Glen.Samaai@westerncape.gov.za

alt with oars that are as the

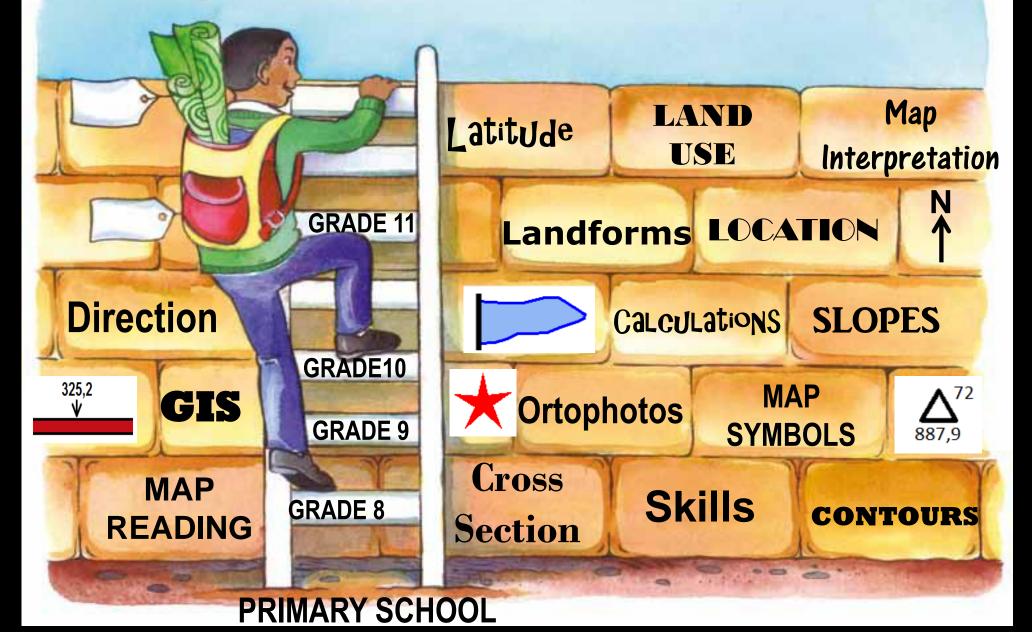
h cannot escar

shoulder; on this you must fix the out in the ground

token which will say it must be a wini

away very gently w

### Ready for Gr 12 Map Work Exam!!





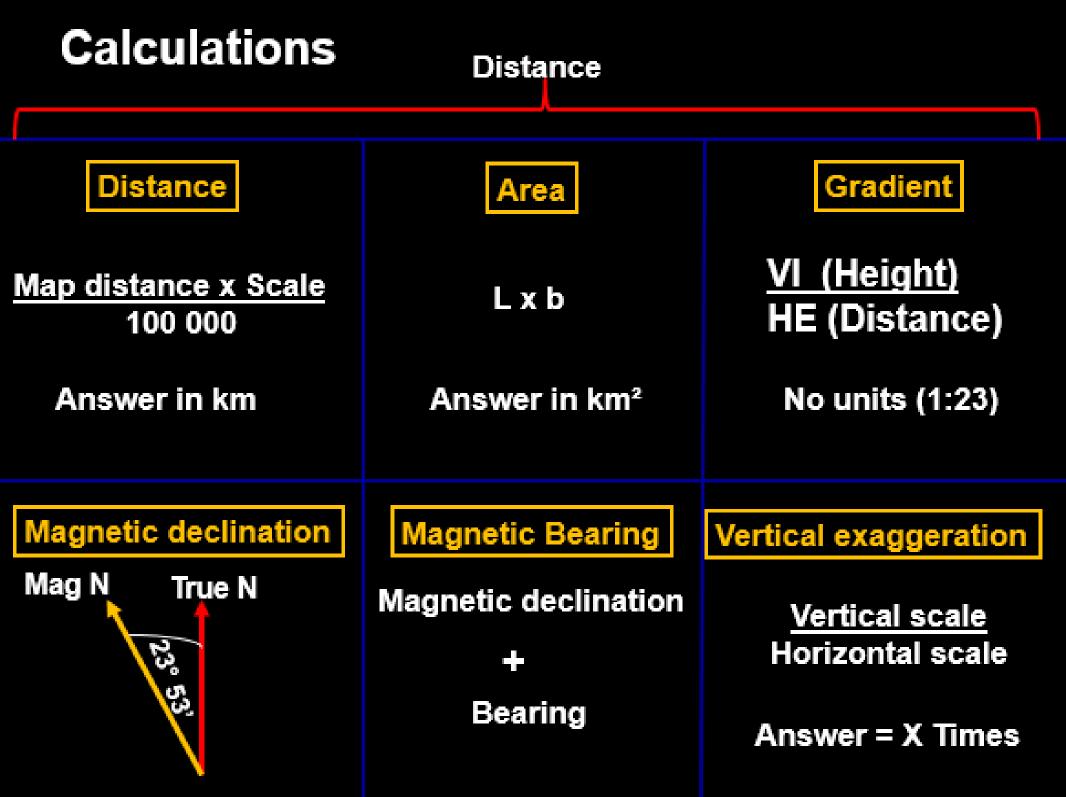


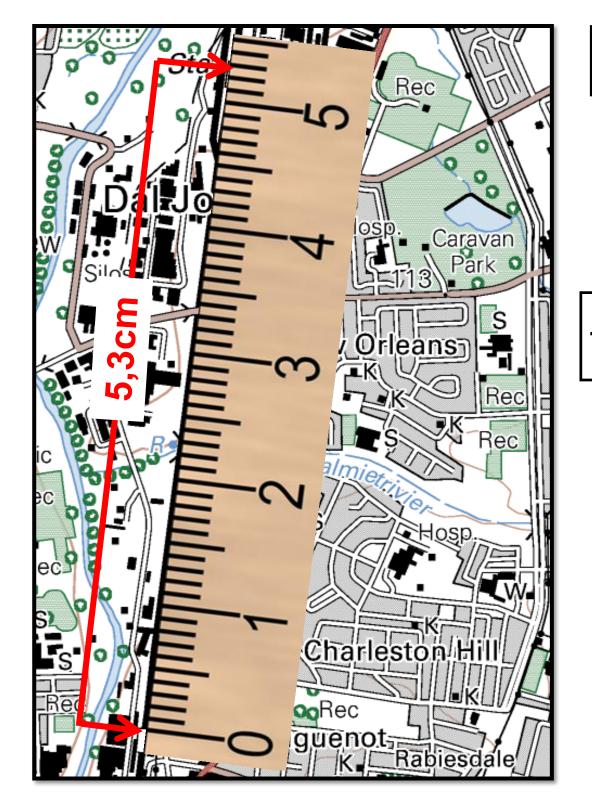












# DISTANCE

Calculate the distance from Huguenot station to Dal Josafat station

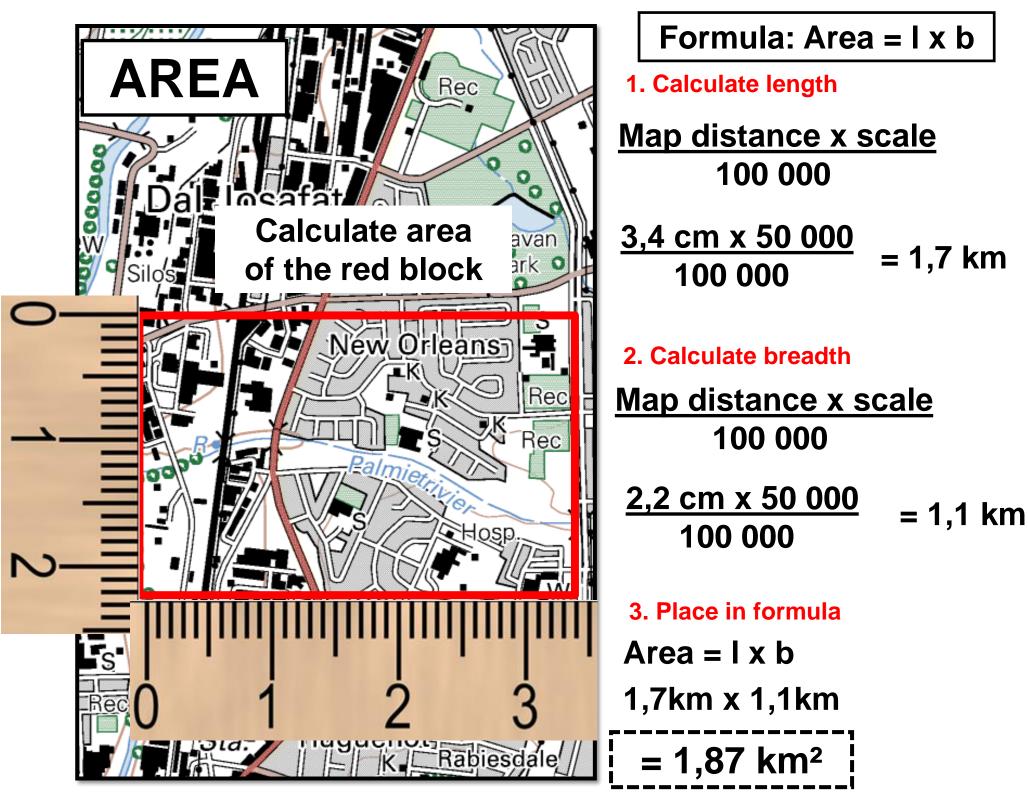
#### Formula

Map distance x scale 100 000

- 1. Measure map distance
- 2. Place in formula

 $\frac{5,3 \text{ cm x } 50 \ 000}{100 \ 000}$ = 2,65 km

NB Use a scale of 1:10 000 on ortophoto



### GRADIENT

Calculate the gradient from Trig Station 172 to spot height 162

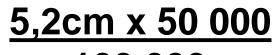
#### Formula

Gradient = <u>Difference in height</u> Distance

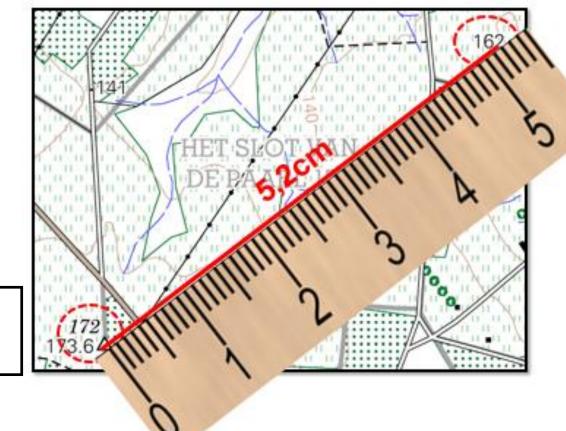
1. Calculate difference in height

173,6m – 162m = 11,6m

2. Calculate distance



100 000 = 2,6km =2 600m (Convert to m)



3. Place in formula

11,6

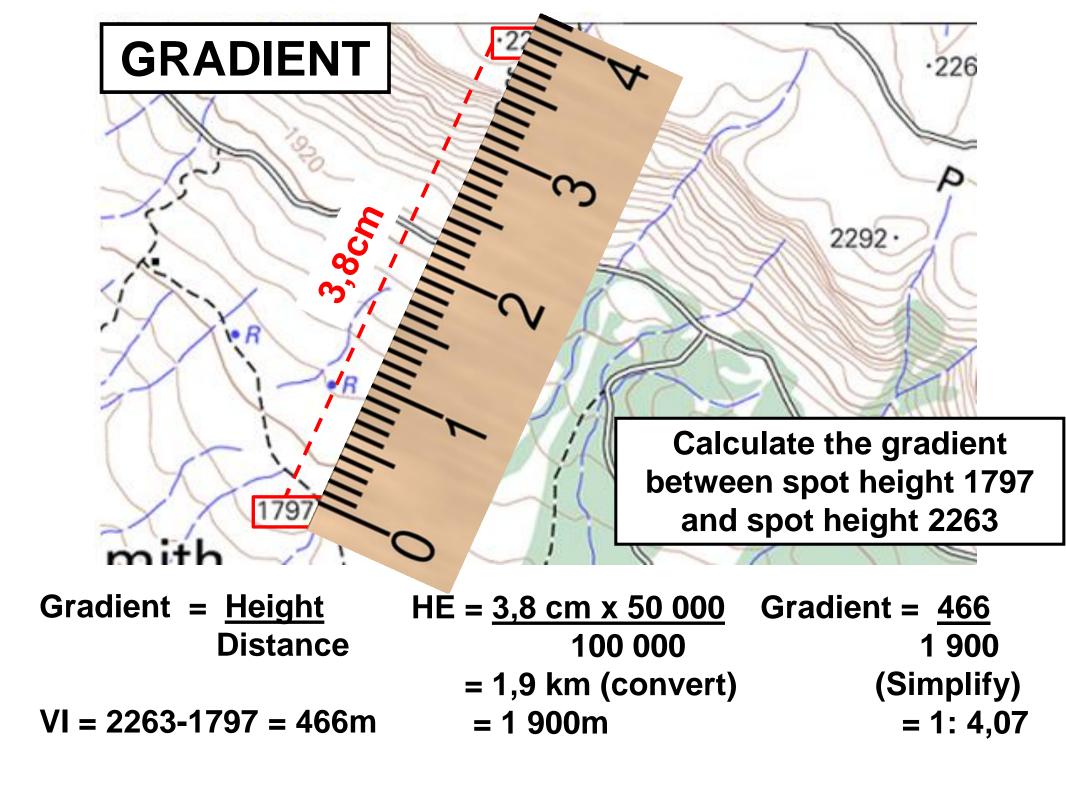
= 1: 224,13

> 2 600

Distance

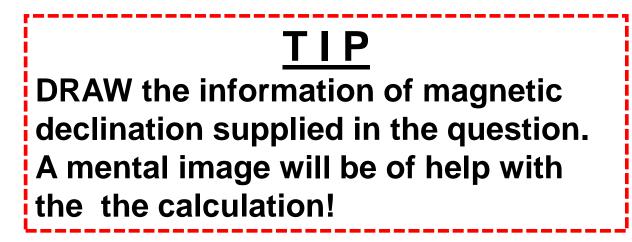
SIMPLIFY

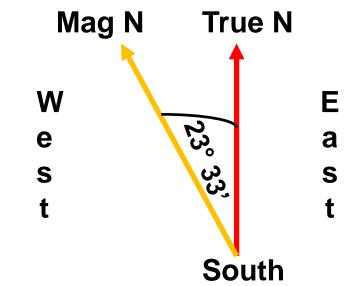
Gradient = Difference in height



## **MAGNETIC DECLINATION**

(Difference in degrees between TRUE NORTH and MAGNETIC NORTH)

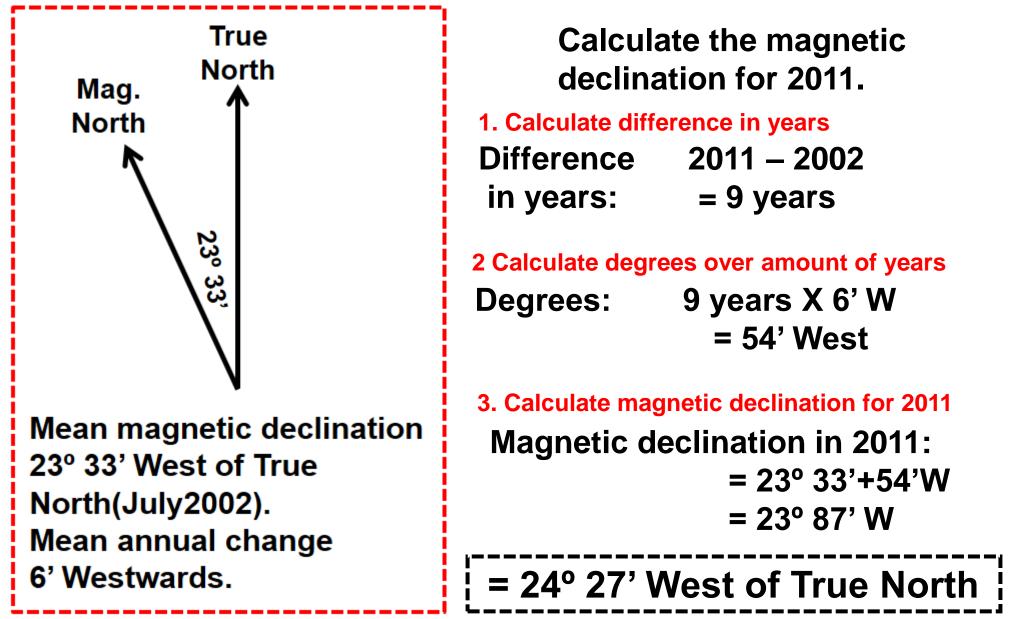




### Consider the following:

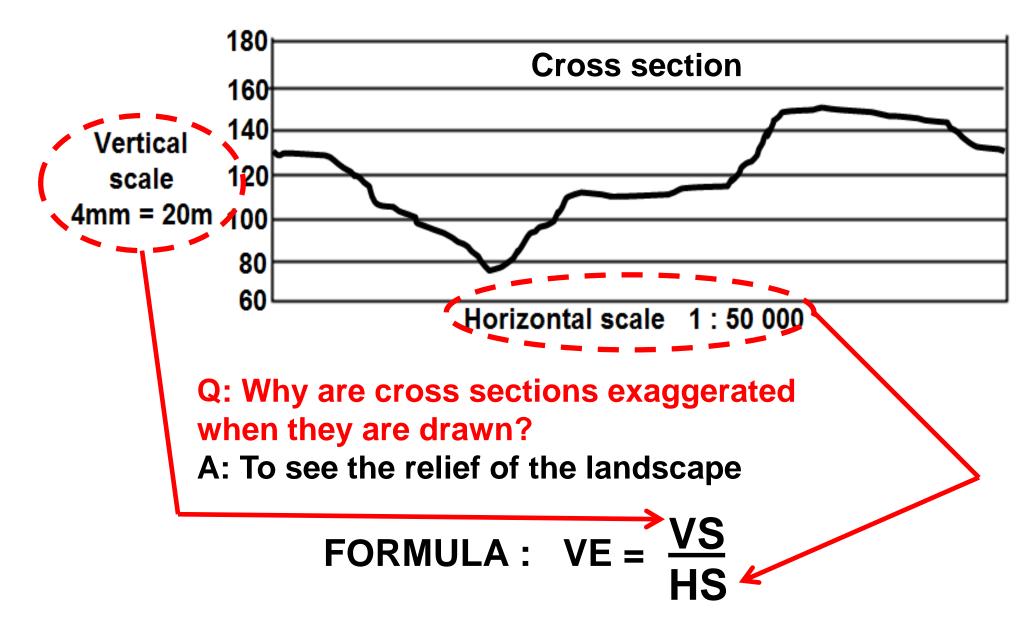
- 1. What is the mean mag. declination (in degrees & minutes?
- 2. In which direction is the magnetic declination?
- 3. In which year is the magnetic declination given?
- 4. What is the mean annual change?
- 5. In what direction is the average yearly change?
- 6. For what year must the mag. declination be calculated?

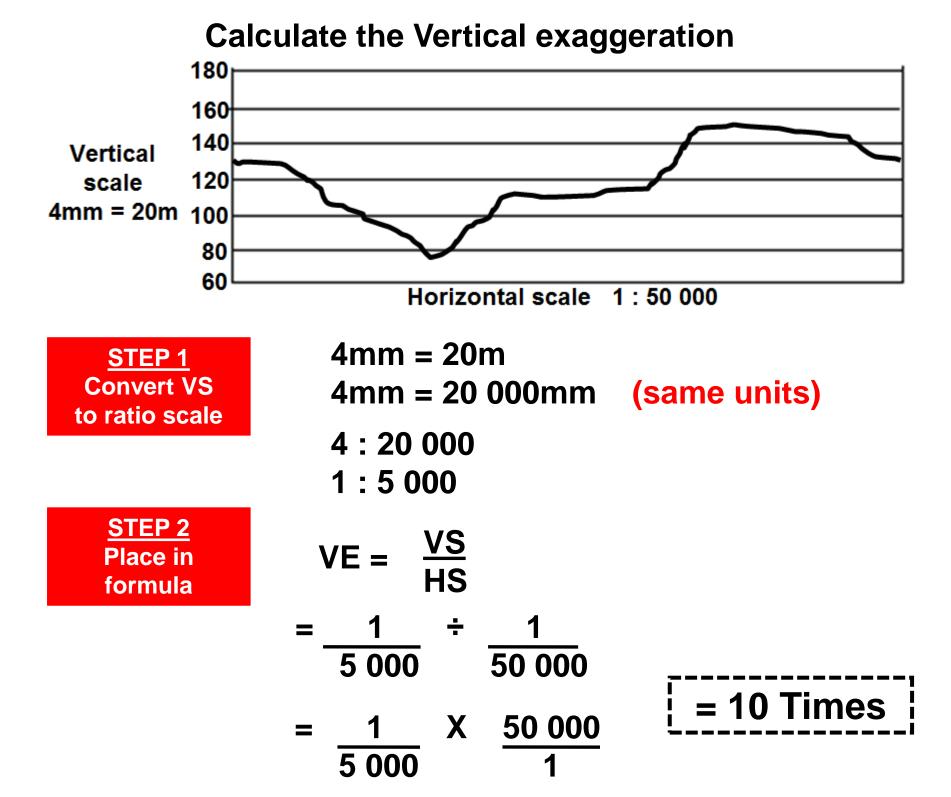
### **MAGNETIC DECLINATION**

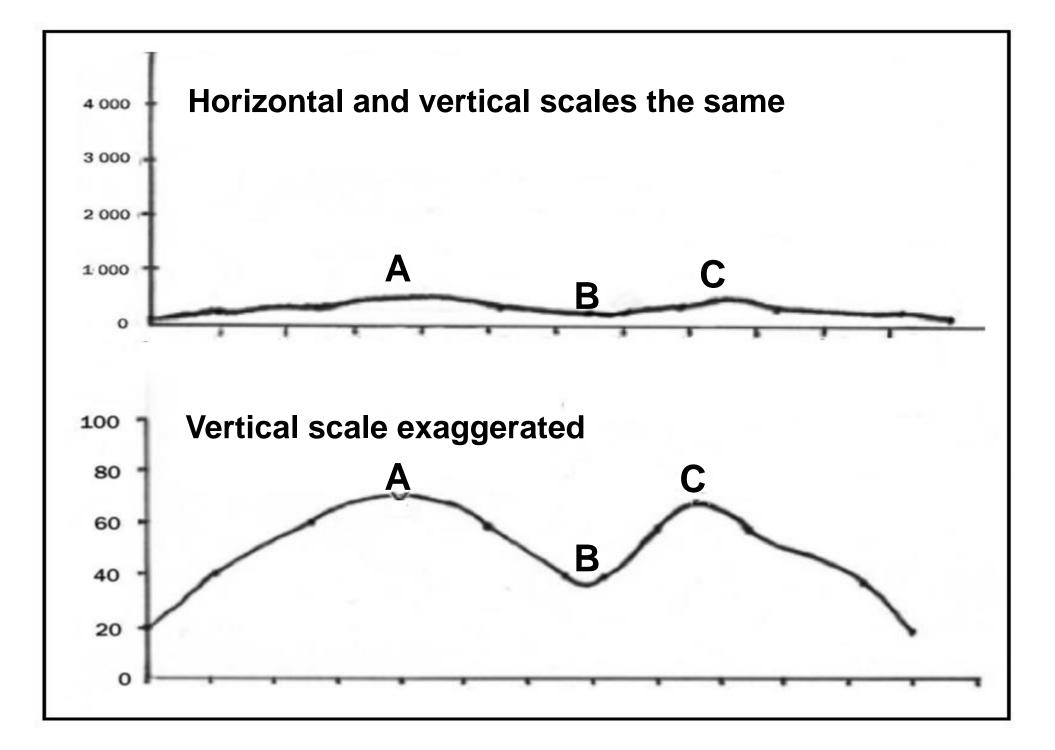


On your own: Calculate the magnetic declination for 2019

### **VERTICAL EXAGGERATION**







### **EXAMPLE VERTICAL EXAGGERATION**

