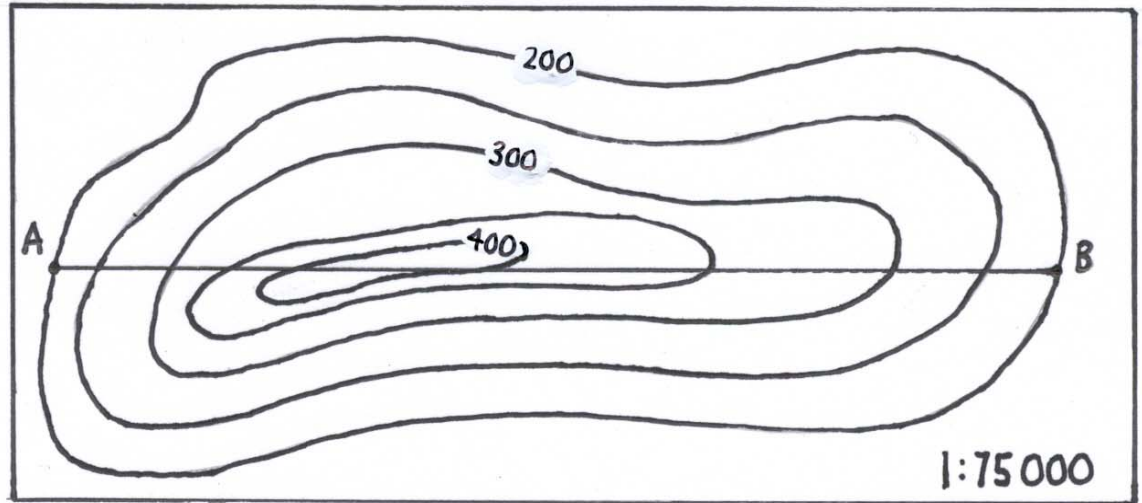


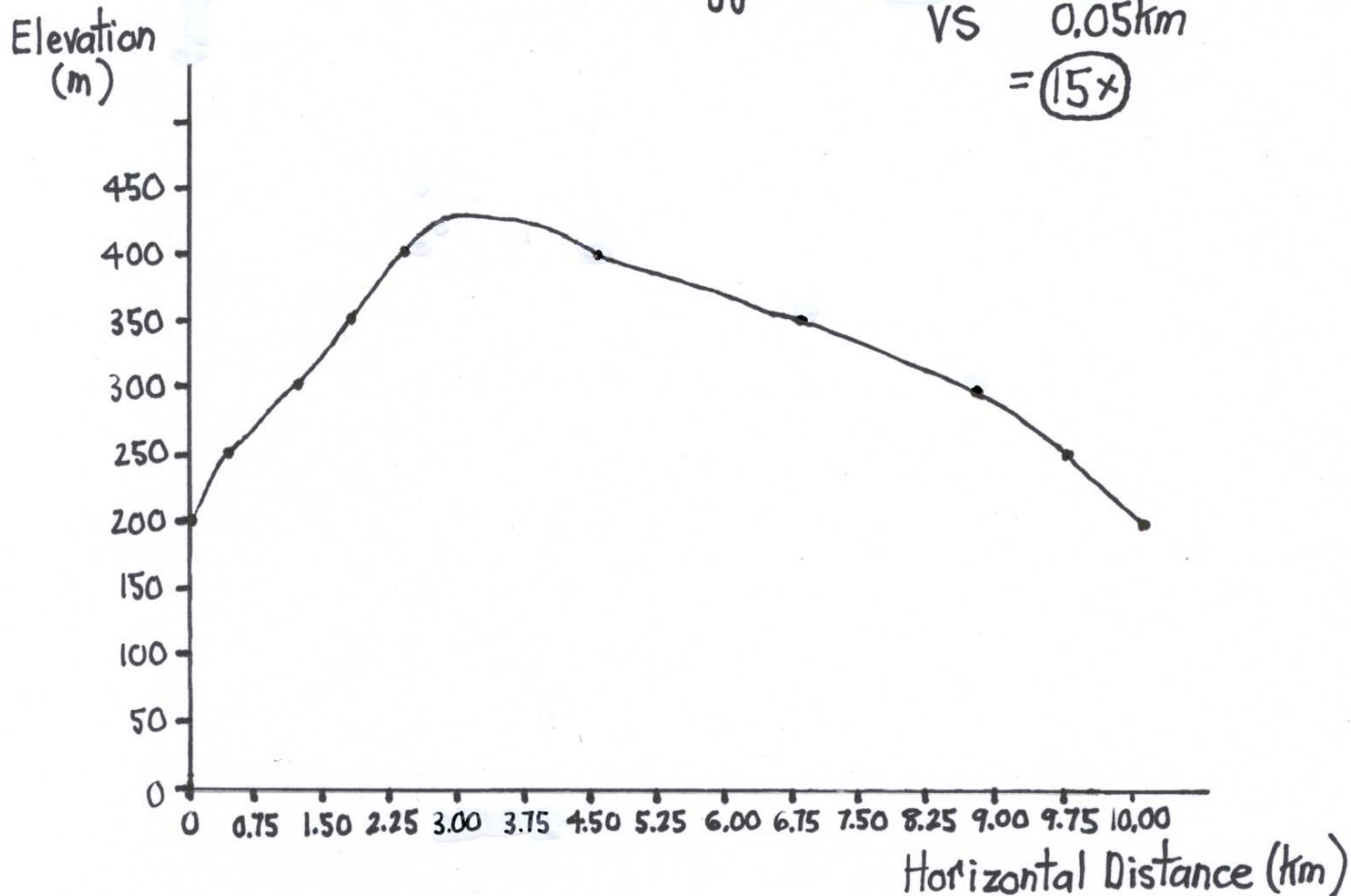
Geography 12
Cross-Section Profile Practice
Calculating Vertical Exaggeration Practice Key

- 1) Construct a cross-section profile for A to B. Use a Vertical Scale of 1cm represents 50m. Also calculate the vertical exaggeration for the profile.

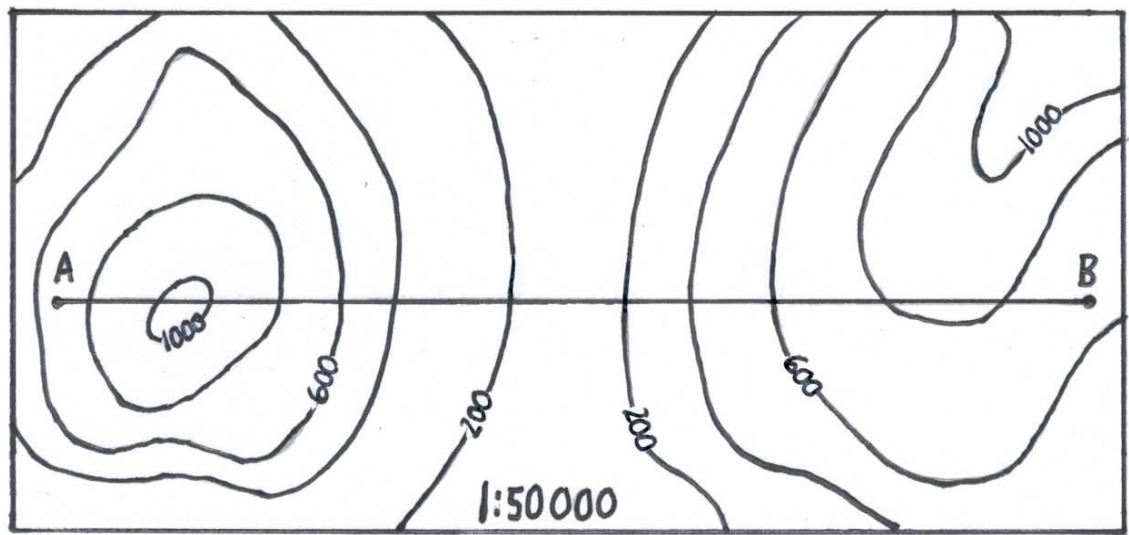


Horizontal Scale - 1:75 000 1cm represents 0.75km
Vertical Scale - 1cm represents 50m or 0.05km

$$\text{Vertical Exaggeration} = \frac{\text{HS}}{\text{VS}} = \frac{0.75\text{km}}{0.05\text{km}} = 15\times$$



- 2) Construct a cross-section profile for A to B. Use a Vertical Scale of 1cm represents 200m. Also calculate the vertical exaggeration for the profile.



Horizontal Scale - 1:50000 1cm represents 0.5km
 Vertical Scale - 1cm represents 200m or 0.2km

$$\text{Vertical Exaggeration} = \frac{HS}{VS} = \frac{0.5\text{km}}{0.2\text{km}} = 2.5\times$$

