

11 - Triangles

Elevation and Depression

- Always from horizontal line
- Angle of depression = - from 90°

Bearings

- 3 digits e.g. (091)
- From North
- Clockwise

Trigonometry and Bearings

1. Draw Bearing
2. Complete Triangle
3. Angle facts to find angle in triangle
4. Label OHA and use SOH CAH TOA

Isosceles and trig

Split perpendicularly for H and Right angle

Similarity

$$Lsf = \frac{\text{larger length}}{\text{smaller length}}$$

$$asf = lsf^2$$

$$vsf = lsf^3$$

Similar triangles

Area and volume of similar shapes