Top of Climb

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How to Compute and Include in Flight Plan Log
TOC Problem (Givens)

Field Elevation

V_y @ zzz fpm

Cruise Altitude

TOC
TOC (Calculate)

1. GS
2. Time for Climb
3. Distance from Take Off to TOC

Field Elevation = xxx

V_y = zzz fpm

Cruise = yyy
Example

• Flight To KBMQ – see Departure figure

• Givens
  – Vy = 75 knts @ 700 fpm
  – Cruise Altitude = 6,500’
  – Field Elevation = 597’

• Calculate
  – GS = Vy = 75 knts
  – Time for Climb \([ (6500-597)/700] \) = 8.5 minutes
  – Distance to TOC = 11 nm
Example (cont.)

• Mark Distance on Map
  – See Figure
  – Find Visual Checkpoint Close to TOC
  – Use as Check for:
    • Track
    • Heading
    • DG Realignment
    • Winds
  – Make This 1st Checkpoint on Nav Log