

FLIGHT PROFILE

AIRCRAFT: _____

1. BEST L/D: _____/1 @ _____ KTS.

PLUS 1/2 WINDSPEED: _____ KTS.

= SPEED TO FLY: _____ KTS.

2. L/D @ _____ KTS. = _____/1
(wind adjusted glide ratio)

DEPARTURE: _____ FIELD ELEV. _____ PATTERN ALT. _____ MSL

DESTINATION: _____ FIELD ELEV. _____ PATTERN ALT. _____ MSL

DISTANCE: _____ MI.

WIND: _____ ° @ _____ KTS.

For pattern altitude, add 1,000 ft. to field elevation.
OBSTACLE CLEARANCE: • 1,500 ft. with headwind
• 500 ft. with tailwind

GLIDE RATIO WITH HEADWIND:

Formula: $\frac{\text{Speed to fly} - \text{wind}}{\text{Speed to fly}} \times \text{wind adjusted glide ratio} \times .7 = \text{Adjusted glide angle}$

Formula: (_____ - _____)
_____ = _____% X _____ = _____ X .7 = _____/1

GLIDE RATIO WITH TAILWIND:

Formula: $\frac{\text{Best L/D speed} + \text{wind}}{\text{Best L/D speed}} \times \text{best L/D glide ratio} \times .7 = \text{Adjusted glide angle}$

Formula: (_____ + _____)
_____ = _____% X _____ = _____ X .7 = _____/1

