



Ground Reference Maneuvers

Cherokee settings, Archer settings are highlighted

➤ **Configuring**

- 2350 RPMs
- Trimmed for level flight at 1000' AGL
- Clearing turns and checking the traffic screen
- Initiate either maneuver with a tailwind

➤ **Turns around a point**

- Fly towards a point on the ground ~.5 miles offset to the right of the point
- Wait until the point passes underneath the wind, count to two mississippi and turn.
- Keep attention divided between maintaining separation on the point and altitude.
- Use throttle to help maintain altitude if needed.
- Separation from the point should be the same throughout the maneuver
 - If you're getting farther from the point, increase your bank angle
 - If you're getting closer to the point, decrease bank angle

➤ **S - Turns**

- Pass over a line on the ground with a tailwind and initiate a turn in either direction
- Vary your bank angle as the wind shifts from tailwind to headwind
 - With a tailwind, use a steeper bank angle
 - With a headwind, use a shallower bank angle
- Do whatever it takes to roll out wings level over the line on the ground
- Initiate another roll in the other direction

➤ **Parameters**

- $\pm 100'$ on altitude
- $\pm 10^\circ$ rollout from start of maneuver
- ± 10 mph on airspeed