

## Commercial Maneuvers

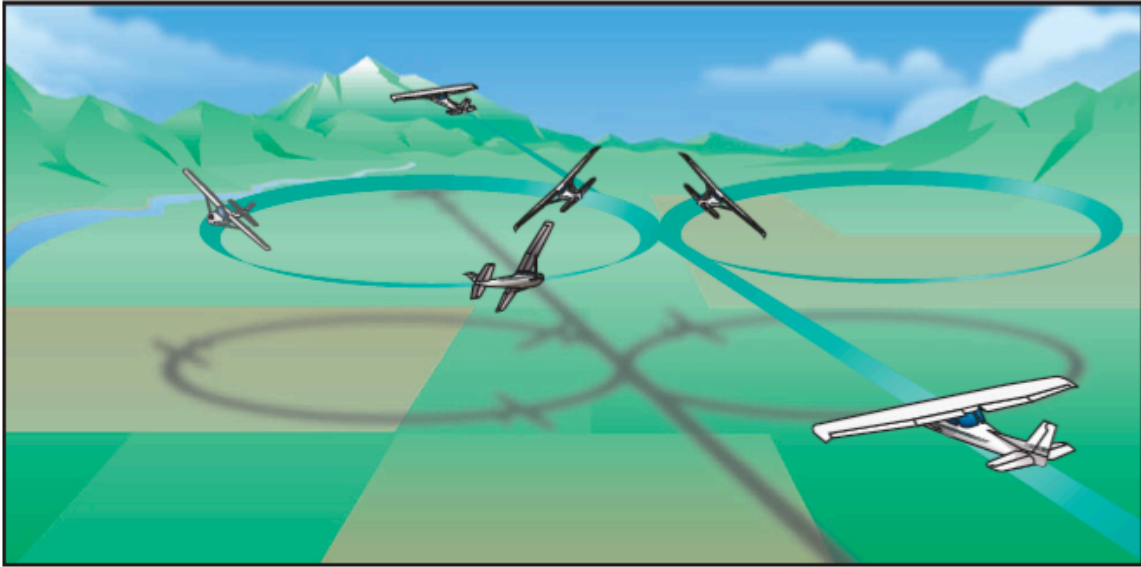
### Steep Turns

Smooth, accurate, maximum performance turns.

Do not exceed  $V_A$ .

Bank angle range 45 to 60°.

Two 360° turns.



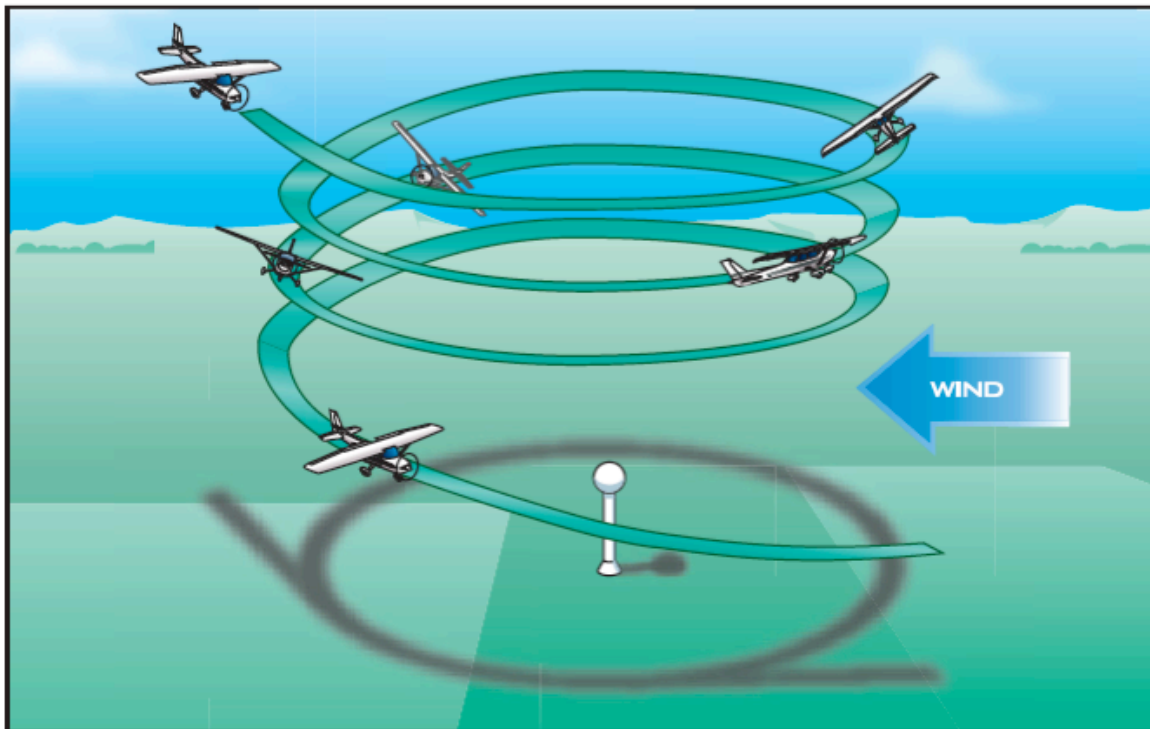
### Steep Spirals

Smooth descending turn at a constant radius around a point.

Bank angle should not exceed 60°.

Perform at least three 360° turns.

Level out above 1000' AGL.



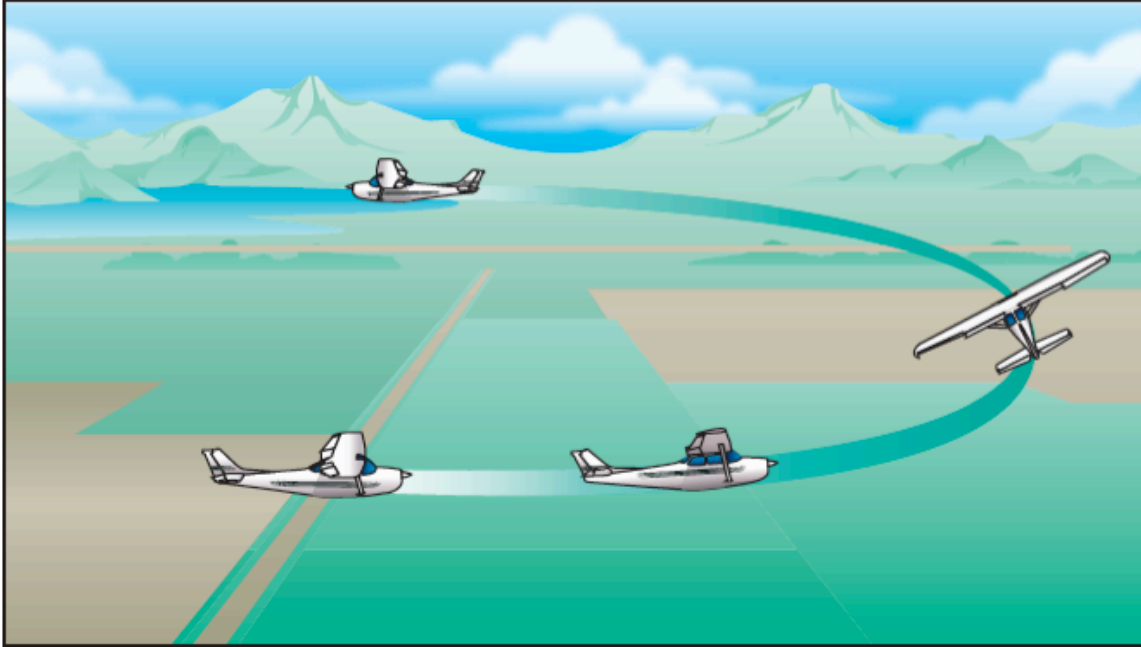
## Chandelle

Maximum performance climbing turn.

Clean configuration.

Do not exceed  $V_A$ .

Bank angle should not exceed  $30^\circ$ .



## Lazy Eight

Two  $180^\circ$  turns while climbing and descending in a symmetrical pattern. At no time is the airplane straight and level.

Choose outside reference points at  $48^\circ$ ,  $90^\circ$ , and  $135^\circ$  from the starting direction.

Try to maintain banks no more than  $30^\circ$ .

Constantly adjust rudder pressure to accommodate the change in pitch and bank. Avoid slipping or skidding.

