

# Performance/Ground Reference Maneuvers

TEST PREP

1

The ground reference maneuver, rectangular course, represents:

- a. An engine out emergency landing scenario.
- b. An emergency landing situation.
- c. An airport traffic pattern.

2

The load factor in a level, coordinated turn with 60 degrees of bank is:

- a. 2.00 Gs.
- b. 3.00 Gs.
- c. G.

3

When flying the crosswind leg of a rectangular course the airplane must be:

- a. Flown without any crab.
- b. Crabbed away from the wind.
- c. Crabbed into the wind.

4

What is the maximum speed for performing steep turns?

- a.  $V_{ne}$  - never exceed speed
- b.  $V_{fe}$  - maximum flaps extended speed
- c.  $V_a$  - maneuvering speed

5

The load factor on an airplane increases with:

- a. Any moderate change in pitch attitude, increase in weight, and steep turns.
- b. Increase in weight, an increase in power, and any moderate pitch change.
- c. Increase in weight, steep turns, and abrupt changes in airplane attitude.

6

In flying an S-Turn, the greatest amount of crab occurs:

- a. As the airplane turns upwind.
- b. At the point where the airplane is directly crosswind.
- c. At a point when the airplane turns directly downwind.

7

What input is required to maintain altitude during steep turns?

- a. Aileron in the opposite direction of the turn.
- b. Increase power.
- c. Back pressure on the yoke.

8

Maneuvering speed is:

- a. Not marked on the airspeed indicator.
- b. Represented by the red line on the airspeed indicator.
- c. The top of the green arc on the airspeed indicator.

9

The load factor on any airplane during a constant altitude turn is determined by:

- a. Bank alone.
- b. The type of aircraft being flown.
- c. Airspeed.

10

While attempting a level turn, you begin to lose altitude. In addition to the natural horizon, what should you reference to make a correction?

- a. GPS moving map
- b. Tachometer
- c. Flight Instruments

11

What is the load factor on an airplane flying a 45 degree steep turn at a level altitude?

- a. 1.4 Gs
- b. 2.0 Gs
- c. 2.4 Gs