

RAM Aviation Piper Tomahawk Maneuvers

STEEP TURNS

Pre-Maneuver Check.....DO
Reference Point.....PICK
Heading.....NOTE
Altitude.....3500 AGL
Power.....2200 RPM
Hold.....LEVEL FLIGHT
Roll slowly and add power
Bank.....45°
Power.....2500 RPM
Reference.....OUTSIDE/INSIDE
Once start point is in view, reduce
Power.....2200 RPM
Bank.....OPPOSITE
Hold.....LEVEL FLIGHT
Roll slowly and add power
Bank.....45°
Power.....2500 RPM
Reference.....OUTSIDE/INSIDE
Once start point is in view, reduce
Power.....2200 RPM
Heading.....SAME
Altitude.....SAME

PRIVATE PILOT (45° BANK)

Altitude: +/- 100 Feet
Airspeed: +10/-0 Knots
Bank: +/- 10°
Heading: +/- 10°

COMMERCIAL PILOT (50°)

Altitude: +/- 50 Feet
Airspeed: +5/-0 Knots
Bank: +/- 5°
Heading: +/- 10°

SLOW FLIGHT

Pre-Maneuver Check.....DO
Reference Point.....PICK
Heading.....NOTE
Altitude.....3500 AGL
Power.....2200 RPM
Hold.....LEVEL FLIGHT
Power.....REDUCE 1500 RPM
Hold.....LEVEL FLIGHT
Flaps.....SLOWLY FULL
Airspeed.....60 KTS
Power.....ADD 2200 RPM
Airspeed.....HOLD 55 KTS
To Bank
Power.....2400 RPM
Bank.....10°
To Descend
Power.....1800 - 2000 RPM
To Climb
Power.....2600 RPM
RECOVERY
Power.....FULL
Flaps.....REDUCE
Power.....2200 RPM
Altitude.....HOLD

PRIVATE PILOT

Altitude: +/- 100 Feet
Airspeed: +10/-0 Knots
Bank: +/- 10°
Heading: +/- 10°

COMMERCIAL PILOT

Altitude: +/- 50 Feet
Airspeed: +5/-0 Knots
Bank: +/- 5°
Heading: +/- 10°

RAM Aviation Piper Tomahawk Maneuvers

POWER OFF STALL

Pre-Maneuver Check.....DO
Reference Point.....PICK
Heading.....NOTE
Altitude.....3500 AGL
Power.....2200 RPM
Hold.....LEVEL FLIGHT
Power.....REDUCE 1500 RPM
Hold.....LEVEL FLIGHT
Flaps.....SLOWLY FULL
Airspeed.....70 KTS
At 70 reduce pitch and descend
Bank 20°.....HOLD
Power.....REDUCE TO IDLE
Pitch.....NOSE LEVEL
Stall Series: Horn, Buffeting and Full stall.
RECOVERY
Roll.....WINGS LEVEL
Power.....FULL
Pitch.....LEVEL
Flaps.....REDUCE FULL to 21°
Airspeed.....70 KTS
Flaps.....UP
Climb.....70 KTS
to starting altitude
Power.....2200 RPM

PRIVATE PILOT

Altitude: +/- 100 Feet
Airspeed: +10/-0 Knots
Bank: +/- 10°
Heading: +/- 10°

COMMERCIAL PILOT

Altitude: +/- 50 Feet
Airspeed: +5/-0 Knots
Bank: +/- 5°
Heading: +/- 10°

POWER ON STALL

Pre-Maneuver Check.....DO
Reference Point.....PICK
Heading.....NOTE
Altitude.....3500 AGL
Power.....2200 RPM
Hold.....LEVEL FLIGHT
Power.....FULL
Set.....Vy 70 KTS
Right rudder as required
Bank 20°.....AS REQUIRED
Set.....Vx 60 KTS
rudder as required
Pitch.....UP/HOLD
Stall Series: Horn, Buffeting and stall.
RECOVERY
Pitch.....LEVEL
Power.....FULL
Roll.....WINGS LEVEL
Altitude.....HOLD
Airspeed.....90 KTS
Power.....2200 RPM

PRIVATE PILOT

Altitude: +/- 100 Feet
Airspeed: +10/-0 Knots
Bank: +/- 10°
Heading: +/- 10°

COMMERCIAL PILOT

Altitude: +/- 50 Feet
Airspeed: +5/-0 Knots
Bank: +/- 5°
Heading: +/- 10°

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SLIPS

Pre-Maneuver Check.....DO
 Reference Point.....PICK
 Heading.....NOTE
 Altitude.....3500 AGL
 Power.....2200 RPM
 Hold.....LEVEL FLIGHT

CLEAN

Power.....IDLE
 Pitch.....70 KTS
 Aileron.....LT/RT
 Rudder.....OPPOSITE

DIRTY

Power.....IDLE
 Flaps.....FULL
 Pitch.....70 KTS
 Aileron.....LT/RT
 Rudder.....OPPOSITE

RECOVERY

Pitch.....LEVEL
 Bank.....WINGS LEVEL
 Power.....FULL
 Flaps..... REDUCE FULL to 21°
 Flaps.....UP
 Power.....2200 RPM

EMERGENCY DESCENT

Pre-Maneuver Check.....DO
 Reference Point.....PICK
 Heading.....NOTE
 Altitude.....3500 AGL
 Power.....2200 RPM
 Hold.....LEVEL FLIGHT

CLEAN

Power.....IDLE
 Pitch.....130 KTS
 Bank.....AS REQUIRED

DIRTY

Power.....IDLE
 Flaps.....FULL
 Airspeed.....Vfe(89)
 Bank.....AS REQUIRED

RECOVERY

Pitch.....LEVEL
 Power.....FULL
 Flaps..... REDUCE FULL to 21°
 Flaps.....UP
 Power.....2200 RPM

RAM Aviation Piper Tomahawk Maneuvers

RETANGULAR COURSE

Pre-Maneuver Check.....DO
 Reference Points.....PICK
 Heading.....NOTE
 Altitude.....600 to 1000 AGL
 Power.....2200 RPM
 Hold.....LEVEL FLIGHT
 Entry... ..45° to the DOWNWIND

PRIVATE PILOT

Altitude: +/- 100 Feet
 Airspeed: +/- 10 Knots

S-TURNS

Pre-Maneuver Check.....DO
 Reference Points.....PICK
 Heading.....NOTE
 Altitude.....600 to 1000 AGL
 Power.....2200 RPM
 Hold.....LEVEL FLIGHT

PRIVATE PILOT

Altitude: +/- 100 Feet
 Airspeed: +/- 10 Knots

URNS AROUND A POINT

Pre-Maneuver Check.....DO
 Reference Points.....PICK
 Heading.....NOTE
 Altitude.....600 to 1000 AGL
 Power.....2200 RPM
 Hold.....LEVEL FLIGHT

PRIVATE PILOT

Altitude: +/- 100 Feet
 Airspeed: +/- 10 Knots

STALL SPIN RECOVERY

- 1) Reduce Throttle
- 2) Ailerons Neutral
- 3) Yoke Full Forward
- 4) Full Opposite Rudder