

# PRE-SOLO

## KNOWLEDGE EXAM



CHECK 6 AIR 

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AIRCRAFT:  DATE:

- 1) What is the duration of a solo endorsement?
- 2) What is required to fly solo to another airport within 25 miles to practice takeoffs and landings?
- 3) What documents are required to be in the aircraft when you are flying?
- 4) What is the fuel capacity of your training aircraft and how much is required for day and night VFR reserve?
- 5) What is the maximum gross weight and useful load of your training aircraft?
- 6) If we have full tanks and the pilot/passenger combined weight is 380 lbs, how much luggage can we take?
- 7) What is the definition of a stall?
- 8) What is the procedure for spin recovery in your training aircraft?
- 9) What is the difference between  $V_x$  and  $V_y$ , and what are these speeds for your training aircraft?
- 10) What is maneuvering speed and when should it be used?
- 11) Describe and label the various colors on this airspeed indicator and state the v-speeds associated with them.





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12) List the day VFR weather minimums in class A, B, C, D, E, and G airspace.

13) What are the minimum safe altitudes over congested and non-congested areas?

14) What must a pilot do before entering Class C airspace?

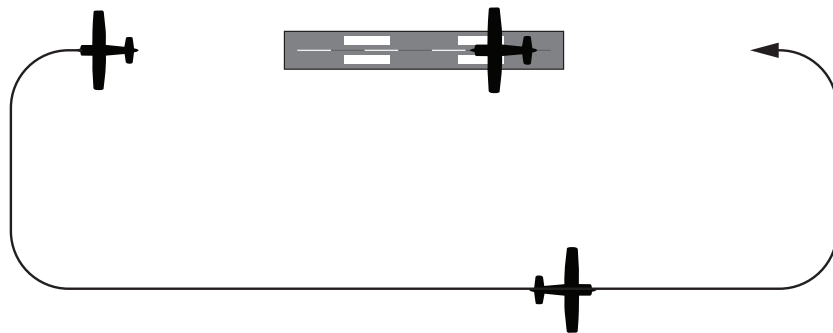
15) What airspace/s is an altitude reporting transponder and ADS-B out required?

16) When are you permitted to deviate from an ATC instruction?

17) What is the traffic pattern altitude at your training airport?

18) What are the runway lengths and widths at your training airport?

19) On the traffic pattern below, label each leg and describe the various ways to enter the pattern.



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20) On the sectional chart below, what does the blue '1582' and '(493)' mean (area 1)?

21) On the sectional chart below, what is the official name and definition of the large blue '2' and small '1' (area 2)?

22) On the sectional chart below, describe the airspace at Phillipsburg Airport from the surface to 60,000' (area 3).

23) On the sectional chart below, describe ALL the information regarding Middletown Regional Airport (area 4)?

24) On the sectional chart below, what is the dashed magenta line that runs from top to bottom (areas 3 and 4)?

25) On the sectional chart below, what equipment is required to enter the dashed blue circular line (area 5)?

