

Aircraft Checkout Written Test: Vans RV-12

CHI Aerospace

Pilot Name: D	ate:
Instructor:	
I - Airspeeds (KIAS)	
VS0VS1VRVXVYVG	LIDE
VAVFEVNOVNE	
Short Field VR:Max Allowable Short Field Flap se	etting:
Soft Field VR:Max Allowable Soft Field Flap setti	ng:
Cruise Climb Speed:	
Approach Speed:	
Short Field Approach Speed:	
II - Fuel and Oil	
Total Fuel:Gallonslbs	
Unusable Fuel in Level Flight:Gallons Unusable fuel in Vx Climb:Gallons Unusable fuel in Climbs:Gallons	
What are the approved fuel grades for the aircraft?	
How many fuel sumps are there on the aircraft?	
Why is there unusable fuel?	
What is the max fuel burn for the aircraft?	



What are the minimum reserve fuel requirements for day and night?
Day:
Night:
How would you monitor your fuel burn?
The engine has an oil capacity ofquarts, andquarts are considered the minimum for normal flight per the POH.
What would be the minimum oil level you would fly with and why?
Minimum allowable oil pressure ispsi; Maximum allowable oil pressure ispsi.
You check the oil and it's a bit low. What type of oil would you add?
III - Weight and Balance
Maximum Ramp Weight:lbs
Maximum Take-Off Weight (MTOW):lbs
Maximum Baggage Weight:lbs
Weight of Useable Fuel:lbs
Weight of Oil:lbs per quart
Max Forward CG at MTOW:
inches Max Aft CG at MTOW:inches
What is the definition of licensed empty weight?
What is the definition of Basic empty weight?



What is the definition of useful load?

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IV - Aircraft Systems
How is fuel supplied to the engine?
Does the airplane have an electric fuel pump?
Is the aircraft carbureted or fuel injected?
What is the cold start procedure for this aircraft ?
What is the warm start procedure for this aircraft?
Describe the engine. Make, model, cylinders, etc
What is the Max Engine Power and at what RPM? How long can you remain at Max Engine Power?
Generator voltage is

The output of the generator is maintained at______volts by the _____

How is the generator checked during the engine run-up before takeoff?

What would alert you to a generator failure?

volts Battery voltage is____volts

Would the engine fail if you shut the master off?



Where is the static port located? How many are there and where are they located?
What type of landing gear system is on the aircraft?
What type of flaps does the aircraft have?
Flap setting for short-field takeoff (detent):
Flap setting for soft-field takeoff (detent):
V - Emergency Procedures
What is the correct spin recovery procedure for the aircraft?
What is the proper procedure for remedying engine roughness and/or power loss in flight?
What is the emergency procedure for engine loss during cruise flight?
What are the corrective actions taken when there is an excessive rate of charge on the ammeter?
What are the corrective actions taken when there is an excessive rate of discharge on the ammeter?
What action should the pilot take in the event of an engine fire during engine start?
What action should the pilot take in the event of an engine fire during flight?

What action should the pilot take in the event of total EFIS loss?



What is the procedure for a balked landing (go-around)?

Is a go-around considered an emergency procedure? If so, why?

What should the pilot check if your radio isn't working? If no resolution is found to fix the error, what actions should the pilot take?

VI - Performance & Weight and Balance Computations

CFI weight:Ibs
Pilot's weight:lbs
Fuel:gallons =lbs
Baggage:lbs
Weight and Balance Computation:
Total weight:lbs
Total moment:in-lbs
Where is the center of gravity? Does it fall within the CG envelope?
Using the following conditions, compute the takeoff and landing distance over a 50 ft obstacle:
Today's temperature:°C
Surface wind:degrees atknots
Altimeter setting:in Hg
Pressure altitude:feet
Density altitude:feet
Takeoff distance over a 50' obstacle:feet
Landing Distance over a 50' obstacle:feet
Instructor Signature:
Pilot Signature:
Date: