

KNOW YOUR AIRCRAFT

A pilot's guide for:

N# _____

A free gift from: Aviation Insurance Resources
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Pilot Information:

Name: _____ Date: ____/____/____

Airmen Certificate Number: _____

Medical Class: _____ Expiration Date: ____/____/____

Last Flight Review: ____/____/____

Aircraft Information:

Insurance Agent _____

Agent Phone Number _____

Insurance Carrier _____

Policy # _____

Policy expiration _____

Claim Contact _____

Registration Number _____ Year _____

Make _____

Model _____

Equipment code _____

Fuel capacity (usable) _____

Oil brand/weight _____

Oil capacity _____ min _____ max

Tire pressure (mains) _____

Tire pressure (nose/tail) _____

Home Airport Radio Frequencies:

ATIS/AWOS _____

Clearance _____

Ground _____

Tower _____

CTAF _____

UNICOM _____

Departure _____

Approach _____



Emergency procedures:

Engine failure after takeoff: _____

Engine failure in flight: _____

Engine fire on start: _____

Engine fire in flight: _____

Spin recovery: _____

Power on stall recovery: _____

Power off stall recovery: _____

V Speeds:

V_r (Rotation speed) _____

V_x (Best angle of climb) _____ V_s (Stall speed - clean) _____

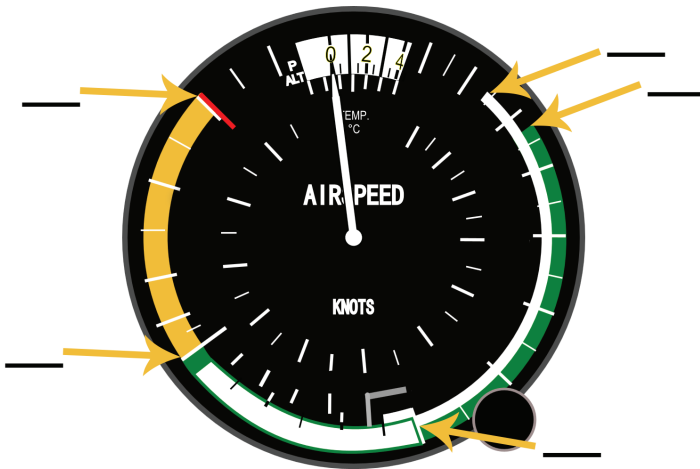
V_y (Best rate of climb) _____ V_{so} (Stall - landing) _____

V_{fe} (Max. flaps extended) _____ V_{no} (Maximum cruising) _____

V_{le} (Max. gear extended) _____ V_{ne} (Never exceed speed) _____

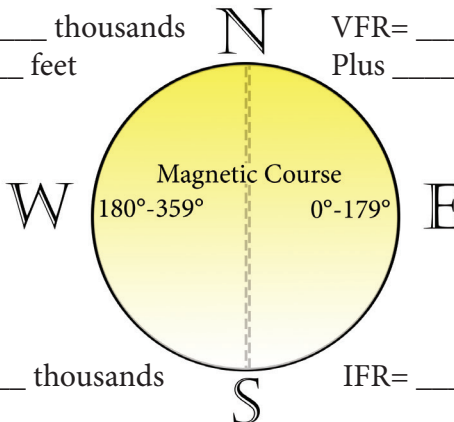
V_a (Maneuvering speed) _____ Best power-off glide speed _____

Label your V speeds on the airspeed indicator below:



Label the correct cruising altitudes for VFR and IFR flight:

VFR= _____ thousands N VFR= _____ thousands
Plus _____ feet Plus _____ feet



IFR= _____ thousands S IFR= _____ thousands

Runway Safety:

Label the taxiway and runway signs below:



















Your radios are not working. What transponder code should you squawk? _____

The tower is directing you via light signals. Complete the chart defining the light signals below:

Light Signal	Ground Operations	In Flight Operations
		
		
		
		
		
		

Aviation Weather:

Complete the day VFR (Visual Flight Rules) cloud clearances and visibility requirements below:

Class B: _____ visibility _____ clouds

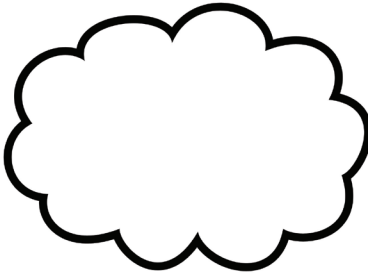
Class G: Day: _____ visibility _____ clouds

Night: _____ visibility _____ clouds

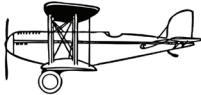
All others: _____ visibility/Clouds below:



_____ ft. above



_____ ft.
horizontal



_____ ft. below

METARS:

KFDK 141950Z 21011G15KT 10SM SKC 11/M02 A2992



airport
identifier



date &
time



wind
direction



wind
speed



wind
gust



visibility



sky
conditions



temperature



dew point



altimeter

Test yourself:

KFDK 151647Z 15006KT 1SM SCT010 BKN027 M04/M06 A3039

What is the ceiling? _____

What is the visibility? _____

What direction and speed is the wind? _____

Take-off and Landing Distances:

- What is the required take-off distance to clear a 50 foot obstacle at maximum gross weight with a pressure altitude of 3,000 feet and 10 degrees Celsius assuming no winds and a hard runway surface? _____ (Refer to the aircraft's POH-Pilot's Operating Handbook)
- What would the take-off distance be if the take-off were made from a sea-level pressure altitude? _____ (Refer to POH)
- Would high humidity increase or decrease this distance? _____ (Refer to POH)
- What is your ground roll when landing with a pressure altitude of 2,000 feet and 20 degrees Celsius? _____ (Refer to POH)
- Would an increase in temperature increase or decrease this distance? _____

Weight & balance (refer to POH):

Maximum weight: _____

Standard empty weight: _____

Maximum useful load: _____

Baggage allowance: _____

Weight & Balance			
Loads	Weight (pounds)	Arm (Inches)	Moment /1000
Empty Aircraft:			
Front Passengers:			
Rear Passengers:			
Baggage Area 1:			
Baggage Area 2:			
Fuel (Gallons):			
Ground Ops (Fuel used):			
Totals:			
CG = Total Moment / Total Weight:			

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