

# BFR WRITTEN EXAM

Name	Date
Aircraft Make	Model
Engine Make	Model
Propellers Make and Model	

	<b>COMPLEX AND MULTI-ENGINE</b>
$V_{S0}$	
$V_{S1}$	$V_{SSE}$
$V_A$	$V_{XSE}$
$V_R$	$V_{YSE}$
$V_{FE}$	$V_{MC}$
$V_X$	$V_{FE}$
$V_Y$	$V_{LE}$
$V_{NO}$	$V_{LO}$
$V_{NE}$	

MAXIMUM TAKEOFF WEIGHT

MAXIMUM LANDING WEIGHT

MAXIMUM RAMP WEIGHT

MAXIMUM WEIGHT IN BAGGAGE COMPARTMENT(S)

ENROUTE CLIMB SPEED

FLAP OPERATING RANGE

NORMAL OPERATING RANGE

CAUTION RANGE

CRUISE

### **DESCENT SPEEDS**

NORMAL DESCENT SPEED

PATTERN DESCENT SPEED (FLAP 1)

BASE

FINAL

SHORT FINAL

BEST GLIDE SPEED

MAXIMUM CROSSWIND COMPONENT

EXPLAIN THE EQUIPMENT LIST AND MINIMUM EQUIPMENT LIST IF ONE EXISTS:

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## BFR WRITTEN EXAM

DESCRIBE THE MIXTURE LEANING PROCEDURE:

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EXPLAIN THE POSSIBLE CAUSES OF ENGINE ROUGHNESS AND WHAT YOU WOULD DO TO REMEDY THE SITUATION:

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DESCRIBE THE PROCEDURE FOR ENGINE FAILURE ON  
(A) TAKEOFF:

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(B) ENGINE FAILURE DURING CRUISE FLIGHT

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(C) ENGINE FIRE ON THE GROUND

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# BFR WRITTEN EXAM

(D) ELECTRICAL FIRE IN FLIGHT

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(E) ELECTRICAL FAILURE

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COMPUTE THE WEIGHT AND BALANCE FOR THIS AIRCRAFT. USE YOUR MOST FREQUENT PASSENGER AND BAGGAGE SCENARIO.

	WEIGHT	ARM	MOMENT
Basic Empty Weight			
Pilot and Front Passenger			
Second Row Passengers			
Third Row Passengers (if applicable)			
Baggage Area #1			
Baggage Area #2			
Fuel (full tanks)			
Taxi and runup			
Takeoff weight and moment			
Center of gravity			

**IS C.G. WITHIN LIMITS?**

WHAT HAZARDS ARE ASSOCIATED WITH AN AIRPLANE THAT IS OUT OF C.G. LIMITS?

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## BFR WRITTEN EXAM

Are landing lights required for a night flight? FAR 91.209 & 91.205(C)

What is wake turbulence? How do you avoid it? (AIM 7-3)

When is a Transponder required? (FAR 91.215) Do you need a Transponder at North County?

Other than for the purpose for takeoff and landing, how low can you fly? (FAR 91.119)

What are the required fuel reserves for VFR day and night flights? (FAR 91.151)

What class airspace is your local airport?

## BFR WRITTEN EXAM

Draw a diagram of the runways at your local airport. Label runways with their appropriate numbers and indicate the direction of pattern flow for each runway. Also indicate if it is a standard or non-standard pattern.



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What is Carbon Monoxide poisoning? What are the symptoms? Under what situations is it most prevalent and what can be done to prevent it? (AIM 8-1-4)

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Are there areas of controlled airspace within 10 nm of your local airport? If so, what are they and may you enter them? What are the procedures that need to be established prior to entering those controlled airspace?

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## BFR WRITTEN EXAM

You called Palm Beach Approach to establish initial contact.

The controller responds with "N12345, standby." What does that imply? (AIM 3-2-4)

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What do the following light gun signals mean? (AIM 4-3-13; FAR 91.125)

On the ground	Light gun signal	In the air
	Flashing Green	
	Steady Green	
	Flashing Red	
	Steady Red	
	Alternating Red/Green	
	White	

Identify an example of Class B airspace and its primary airport. What significance does the magenta circle marked 30 NM MODE C have? (FAR 91.131: 913215b(2))

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