

27. Must aircraft airworthiness directives be complied with before flight? What are airworthiness directives?

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28. Fill in the correct direction (N W S E) that applies for each compass heading:

Compass reads 360°: \_\_\_\_\_ Compass reads 270°: \_\_\_\_\_  
 Compass reads 090°: \_\_\_\_\_ Compass reads 180°: \_\_\_\_\_

29. Identify the reciprocals of the following headings:

360°: \_\_\_\_\_ 045°: \_\_\_\_\_  
 090°: \_\_\_\_\_ 135°: \_\_\_\_\_

30. Identify the indicated airspeeds for the following KIAS speeds for your aircraft at maximum gross weight:

	C-172S	C-172R	C-172P	C-172N	C-172
V <sub>R</sub>					
V <sub>G</sub>					
V <sub>50</sub>					
V <sub>2</sub>					
V <sub>X</sub>					
V <sub>Y</sub>					
V <sub>LE</sub>					
V <sub>A</sub>					
V <sub>NO</sub>					
V <sub>NE</sub>					

31. Identify the performance limitations for the aircraft which you operate:

MODEL	MAX HP	USABLE FUEL (GAL)	MAX OIL (QT)	MIN OIL (QT)	MGTOW (NORMAL CAT)	USABLE LOAD (LBS)	GPH*
C-172							
C-172N							
C-172P							
C-172R							
C-172S							

\*MGTOW, 2000 feet, standard temperature.

32. What is the maximum allowable flap setting for takeoff in your aircraft?

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