

9. In the presence of wind shear and gusty conditions, pilots should increase final approach speed. Calculate the gust factor and provide the final approach speed in the following situation: Wind 150° at 10 kts gusting 20 kts.

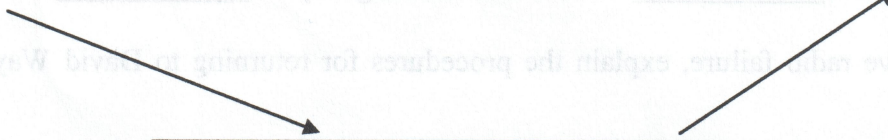
10. What is your aircraft's maximum demonstrated crosswind component? _____

11. Complete the following:

CURRENT WINDS	RUNWAY CHOICE?	CROSSWIND COMPONENT	HEADWIND COMPONENT	UFS SOLO MINIMUMS MET?	AIRPLANE LIMITATIONS EXCEEDED?
170° @ 10 Kts	17 or 35				
240° @ 5 Kts	9 or 27				
230° @ 20 Kts	14 or 32				

12. When taxiing in all winds, flight controls must be placed in the correct positions to avoid being overturned. In what positions should the ailerons and elevator be during a right quartering tailwind?

13. All aircraft create wake turbulence. Heavy aircraft flying slowly in a clean configuration produce the strongest vortices. What actions should a pilot take to avoid wake turbulence for the following flight paths of heavy aircraft?



14. Explain how to perform a crosswind takeoff and landing.
