Name:_____

AVIA 101 Homework Assignment # (Bonus)

Whiz-Wheel (E6B) Problems: Groundspeed & Distance / Spin the Winds

1) Groundspeed: 107 Knots, distance 55 NM, fuel flow 6.7GPH.
      How long will it take, and how much gas will you use?

2) Groundspeed: 122 Knots, distance 178 NM, fuel flow 6.7GPH.
      How long will it take, and how much gas will you use?

3) Groundspeed: 97 Knots, distance 37 NM, fuel flow 6.7GPH.
      How long will it take, and how much gas will you use?

4) Groundspeed: 100 Knots, distance 96 NM, fuel flow 6.7GPH.
      How long will it take, and how much gas will you use?

5) Groundspeed: 141 Knots, distance 62 NM, fuel flow 6.7GPH.
      How long will it take, and how much gas will you use?

6) TAS: 121 Knots, TC 310, wind 045/15
      What is groundspeed and drift angle?

7) TAS: 115 Knots, TC 350, wind 195/18
      What is groundspeed and drift angle?

8) TAS: 111 Knots, TC 140, wind 220/25
      What is groundspeed and drift angle?

9) TAS: 132 Knots, TC 040, wind 060/10
      What is groundspeed and drift angle?

10) TAS: 115 Knots, TC 220, wind 090/15
      What is groundspeed and drift angle?