

**TEMA:** 0646 COM-RTC - Navigation - Chap. 9

**COD PREG:** PREG20098699  
**PREGUNTA:** GIVEN:  
Distance of course ..... 9 mi  
Distance flown ..... 95 mi  
Distance to fly ..... 125 mi  
To converge at the destination, the total correction angle would be  
**RPTA:** C  
**OPCION A:** 4°  
**OPCION B:** 6°  
**OPCION C:** 10°

PREG20098701 The ADF is turned to a radiobeacon. If the magnetic heading is 040 and the relative bearing is 290° the magnetic bearing TO that radiobeacon would be C  
**OPCION A:** 150°  
**OPCION B:** 285°  
**OPCION C:** 330°

PREG20098700 Given: C  
Wind ..... 175° at 20kts  
Distance ..... 135 NM  
True ..... 075°  
True airspeed ..... 80 kts  
Fuel consumption ..... 105 lb/hr  
Determine the time en route and fuel consumption  
**OPCION A:** 1 hour 28 minute and 73.2 pounds  
**OPCION B:** 1 hour 38 minutes and 158 pounds  
**OPCION C:** 1 hour 40 minutes and 175 pounds

PREG20098698 You have flown 52 miles, are 6 miles off course, and have 118 miles yet to fly. To converge on your destination, the total correction angle would be C  
**OPCION A:** 3°  
**OPCION B:** 6°  
**OPCION C:** 10°

PREG20098702 If the relative bearing to a nondirectional radiobeacon is 045° and the magnetic heading is 355° the magnetic bearing TO that radio beacon would be A  
**OPCION A:** 040°  
**OPCION B:** 065°  
**OPCION C:** 220°

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PREG20098696      GIVEN: B  
Pressure altitude ..... 6,000 ft  
True air temperature ..... + 30°C  
From the conditions given, the approximate density altitude is:

**OPCION A:**      9,000 feet.  
**OPCION B:**      5,500 feet.  
**OPCION C:**      5,000 feet.

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PREG20098695      GIVEN: B  
Pressure altitude ..... 5,000 ft  
True air temperature ..... + 30°C  
From the conditions given, the approximate density altitude is:

**OPCION A:**      7,200 feet.  
**OPCION B:**      7,800 feet.  
**OPCION C:**      9,000 feet.

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PREG20098694      GIVEN: B  
Pressure altitude ..... 12,000 ft  
True air temperature ..... + 50°F  
From the conditions given, the approximate density altitude is:

**OPCION A:**      11,900 feet  
**OPCION B:**      14,130 feet.  
**OPCION C:**      18,150 feet.

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PREG20098697      GIVEN: B  
Pressure altitude ..... 7,000 ft  
True air temperature ..... + 15°C  
From the conditions given, the approximate density altitude is:

**OPCION A:**      5,000 feet.  
**OPCION B:**      8,500 feet.  
**OPCION C:**      9,500 feet.

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