

GPS Questions for FFA Contest

White Track

- 1) Who maintains the GPS system?
 - a) U.S. Government
 - b) NOAA
 - c) NASA
 - d) NAPA

- 2) Satellites used for GPS positioning are in orbit about _____ above the surface of the earth.
 - a) 12 miles
 - b) 24 miles
 - c) 12,000 miles
 - d) 122,000 miles

- 3) T/F To obtain data such as speed and time to destination, you must be static?
 - a) True
 - b) False

- 4) Which of the following coordinates are in degrees decimal-minutes format?
 - a) 32° 00' 00.0" 098° 00' 00.0"
 - b) 32' 00" 00.00° 098' 00" 00.0°
 - c) 32° 00.000' 098° 00.000'
 - d) 32.00000° 098.00000°

- 5) The basic "working" formula for all global positioning systems is?
 - a) πr^2
 - b) $E=MC^2$
 - c) $A=P(1+rt)$
 - d) $d=rt$

- 6) The acronym for the map projection known as UPS stands for _____?
- a) Universal Postal Service
 - b) United Parcel Service
 - c) Universal Polar Stereograph
 - d) Universal Polar Stenograph
- 7) The most common and well known spherical geographic coordinate system is?
- a) UTM/UPS
 - b) Latitude/Longitude
 - c) Alber's Equal Area
 - d) Robinson's
- 8) The standard map datum most often used is?
- a) WGS 83
 - b) WGS 72
 - c) WGS 84
 - d) NAD 84
- 9) While it is relatively small in comparison, one type of signal error that affects GPS accuracy is called _____ error?
- a) Tropospheric
 - b) Symbiotic
 - c) Minutia
 - d) Perpetual
- 10) A GPS receiver uses satellite info to _____ a given position.
- a) propagate
 - b) triangulate
 - c) obstinate
 - d) undulate