GPS Questions for FFA Contest

White Track

1)	The following navigation system was invented by Alfred Lee Loomis and used extensively by the US Navy during WWII. a) Celestial b) LORAN c) OMEGA d) Satellite GPS
2)	True or False: Landmarks (e.g., Big oak tree on side of road) is also a type of positioning system? a) True b) False
3)	Which of the following coordinates are in the degrees-minutes-seconds position format? a) 32° 00′ 00.0 098° 00′ 00.0 b) 32′ 00″ 00.0° 098′ 00″ 00.0° c) 32° 00′ 00.0″ 098° 00′ 00.0″ d) 32° 00″ 00.0″ 098° 00″ 00.0″
4)	Approximately satellites make up the current GPS constellation. a) 3 b) 4 c) 6 d) 24
5)	GPS satellites have a planned lifespan of approximately years. a) 5.5 b) 7.5 c) 9.5 d) 15

6)	To maintain orbital accuracy, GPS satellites are continuously monitored by a) Ground Stations b) LORAN Systems c) Omega Systems d) Department of Defense Maritime Buoys
7)	Which of the following describes interference from too many reflected or bounced signals received by the GPS receiver? a) Ephemeris b) Multipath c) lonosphere d) Troposphere
8)	 Which of the following is a fundamental part of the GPS triangulation process? a) Vertical Ascension Theory b) Datum Errors c) Lunar Drift d) Pseudo Random Code
9)	The WGS 84 map datum is best described as which of the following? a) a local grid b) a regional grid c) a global grid d) a North American grid
10)	Which of the following describes the process of determining satellite distance from the receiver? a) Vertical Ascension Theory b) Ranging c) Differential Equitation d) Ephemeral Processing