

## GPS Questions for FFA Contest

### White Track

- 1) The acronym **WGS 84** stands for?
  - a) **World Geodetic System 1984**
  - b) World Geographic System 1984
  - c) World Geometric System 1984
  - d) World Genome 84
  
- 2) Which of the following is an example of a signal error that affects GPS accuracy?
  - a) Epicurus Error
  - b) **Ephemeris Error**
  - c) Epidural Error
  - d) Ephebic Error
  
- 3) 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
  
- 4) T/F The acronym UTM stands for Universal Transverse Mercury ?
  - a) True
  - b) **False**
  
- 5) T/F GPS radio waves travel at the speed of light?
  - a) **True**
  - b) False
  
- 6) What causes satellite orbital deviation?
  - a) Hemispheric dominance
  - b) Pythagorean equitation
  - c) **Lunar gravitation**
  - d) R2D2 + C3PO anomaly

- 7) Satellites employ hyper-accurate \_\_\_\_\_ clocks to measure distances?
- a) Ionic
  - b) Atomic
  - c) Propionic
  - d) Timex
- 8) What are the **standard** map projections (grids) for determining location?
- a) lat/long, UTM/UPS
  - b) albers' equal area
  - c) albers' conical
- 9) A GPS receiver uses satellite info to \_\_\_\_\_ a given position.
- a) propagate
  - b) instigate
  - c) obstinate
  - d) triangulate
- 10) Which of the following can lead to GPS accuracy errors?
- a) Spatial density
  - b) Signal delay.
  - c) Spatial variability
  - d) Geographic isolation