

- 1) Precision agriculture utilizes GPS to provide _____ resulting in a more environmentally friendly farm?
- a) precise application of fertilizers
 - b) enhanced control of chemical dispersion
 - c) precise tractor guidance
 - d) All of the above
- 2) GPS timing accuracy is _____ nanoseconds 95% of the time.
- a) ≤ 15
 - b) < 30
 - c) ≤ 60
 - d) ≤ 90
- 3) The arbitrary line in a geographic coordinate system which defines longitude as 0° is known as the _____.
- a) Prime Meridian
 - b) Equatorial parallel
 - c) Tropic of Cancer
 - d) Tropic of Capricorn
- 4) Which of the following coordinates are in decimal degrees format?
- a) $32^\circ 00' 0.00''$ $098^\circ 00' 0.00''$
 - b) $32^\circ 00'' 0.00'$ $098^\circ 00'' 0.00'$
 - c) 32.00000° 098.00000°
 - d) $32^\circ 00.00'$ $098^\circ 00.00'$
- 5) Who pays for GPS?
- a) NASA
 - b) FEMA
 - c) Space Force
 - d) US taxpayers

White Track

- 6) True or False: The format hddd.ddddd ° is known as decimal degrees format?
- a) True
 - b) False
- 7) In the basic formula $D = r \cdot t$ utilized by GPS receivers to determine positions on the earth, the r refers to the _____.
- a) Time it takes to complete the satellites orbit around the earth
 - b) Speed of the receiver
 - c) Speed of the satellite signal
 - d) Difference between the time the signal was broadcast from the satellite and the time the signal is received by the GPS unit.
- 8) GPS accuracy degradation occurring from signals bouncing off walls or buildings is known as _____ errors?
- a) ionospheric
 - b) multipath
 - c) solar error
 - d) radio interference
- 9) Which of the following coordinate systems is commonly used by GPS to track satellites?
- a) Geocentric
 - b) Geographic
 - c) Projected
 - d) Engineering
- 10) Which of the following does federal law prohibit?
- a) jamming police radars
 - b) jamming GPS signals
 - c) jamming personal communication services
 - d) all the above