

## DLOC Precursor IC 5.3: Practice Exercise #1

*Directions: Choose the lettered answer that best completes the question. There is only one correct answer for each question unless indicated otherwise.*

1. The WSR-88D transmits pulses of energy rather than a continuous stream so target \_\_\_\_\_ can be determined.
  - a. range
  - b. shape
  - c. reflectivity
  - d. composition
  
2. The beam of the WSR-88D is a volume bounded by the points where the power \_\_\_\_\_ to \_\_\_\_\_ the peak power.
  - a. increases, one-half
  - b. increases, one-third
  - c. decreases, one-half
  - d. decreases, one-third
  
3. Power density is \_\_\_\_\_ related to the peak power transmitted and \_\_\_\_\_ related to the width of the radar beam.
  - a. directly, directly
  - b. directly, inversely
  - c. inversely, directly
  - d. inversely, inversely
  
4. Increased sensitivity of the WSR-88D at close ranges, as compared to distant ranges, is the result of \_\_\_\_\_ at close ranges.
  - a. more peak power transmitted
  - b. more attenuation
  - c. greater power density
  - d. less ground clutter contamination