1. What is the name of Airport ___________________________  
   San Diego

2. What is the ICAO Identifier for the Airport ___________  
   SAN

3. What period of time is this airport diagram valid _______ to ________  
   May to June 2008

4. How many Runways ______  
   2

5. What are the Runway Names ______  
   09 and 27

6. What is the Magnetic Heading of each Runway _______  
   09 is 93° 30'  
   27 is 273° 30'

7. What is the difference between Magnetic Heading and True Heading at this airport _______  
   12° 47'

8. How fast is Magnetic Heading changing at this airport _______  
   0.1° per year

9. Locate and provide the approximate Latitude/Longitude for the following facilities:  
   a. Terminal 1 (Gates 1-19)  
   b. Terminal 2 (gates 20-41)  
   c. U.S. Customs  
   d. Commuter Terminal and Airport Administration Building  
   e. U.S. Coast Guard Air Station  
   f. Fire Station  
   g. Control Tower  
   h. Air Cargo Handling Building  
   i. General Aviation Building Ramp

10. Locate and provide approximate Latitude/Longitude for the center of the following movement areas:  
    a. West Ramp  
    b. East Ramp  
    c. Commuter Ramp  
    d. Coast Guard Air Station Ramp  
    e. North Ramp  
    f. Air Cargo Ramp  
    g. General Aviation Ramp  
    h. Overflow Parking Ramp

11. What is Field Elevation for the Airport _______  
    17

12. Runway 9 Characteristics  
    a. What is the Magnetic Heading _______  
       93° 30'
    b. What is the Touchdown Zone Elevation _______  
       14
    c. How long is the runway _______  
       9401
    d. How wide is the runway _______  
       200

13. Runway 27 Characteristics  
    a. What is the Magnetic Heading _______  
       273° 30'
    b. What is the Touchdown Zone Elevation _______  
       16
    c. How long is the runway _______  
       9401
    d. How wide is the runway _______  
       200
14. What Taxiways would an aircraft departing from Terminal 1 using Runway 9

B -> B8

15. What Taxiways would an aircraft departing from Air Cargo Ramp using Runway 9

D -> C -> C4 -> B4 -> B -> B8

16. What Taxiways would an aircraft arriving on Runway 27 and taxi-ing to the Air Cargo Ramp use

B7 -> B -> B4 -> C4 -> C -> D

17. CAUTION: BE ALERT TO RUNWAY CROSSING CLEARANCES. READBACK OF ALL RUNWAY HOLDING INSTRUCTIONS IS REQUIRED (see right side of diagram)

a. What problem is this caution trying to address
b. Who is "reading back" to whom
   [PILOT TO AIR TRAFFIC CONTROLLER]
c. What are they reading back
   [PERMISSION TO CROSS RUNWAY]
d. In which of the 3 taxi-way instruction scenarios in the previous questions (above) would this caution apply. Explain
   [THE PILOT MUST CROSS RUNWAY]

18. At the end of Runway 29 there is an EMAS

a. What does the acronym EMAS stand for
   [ENGINEERED MATERIAL ARRESTOR SYSTEM]
b. What does an EMAS do
   [STOP AIRCRAFT IN SHORT DISTANCE]
c. How does it do it
   [INCREASED FRICTION]
d. Draw a force diagram to explain what an EMAS does

[Diagram of EMAS and friction force]