Homework # 7: Chapter 9 (including MAC Protocols)

Rules: 1. Due by Friday, April 26, 2013
2. Solve all the problems below for 100 points - **independent work only.**
3. Show full solution to the problems - do not skip steps.

Solve the following problems (textbook, starting on page 488):

1. **Problem 9.7**
2. **Problem 9.8**
3. **Calculate the propagation delay in packet transmission times, if a 1.92 [Mbps] channel data rate is used and each packet contains 256 [bits]. Assume that the maximum distance between the transmitter and the receiver is 10 [km]. If slotted ALOHA is used, what is the maximal packet size that will maximize the throughput?**
4. **Problem 9.12**
5. **Problem 9.13**
6. **Problem 9.14**