

**CS 441/541**  
**Artificial Intelligence**  
**Fall, 2006**

**Homework 6: Bayesian Networks**

Due Tuesday, November 21.

1. Textbook, problem 14.2.
  
2. Textbook, problem 14.10(a). Either prove it formally, or given an example that shows why the other parents of a node  $A$ 's children must be included in the Markov blanket.  
(Extra credit: Do part (b) also.)
  
3. Textbook problem 14.11.