1. (1 point) Section 9.6, Problem 1

2. (1 point) Let $F$ be a field. Let $J \subseteq I$ be two ideals in the polynomial ring $F[x_1, \ldots, x_n]$. Prove that $LT(I) = LT(J)$ if and only if $I = J$.

3. (1 point) Section 13.1, Problem 1

4. (1 point) Section 13.1, Problem 2

5. (1 point) Section 13.1, Problem 5

6. (1 point) Section 13.2, Problem 1

7. (1 point) Section 13.2, Problem 3

8. (1 point) Section 13.2, Problem 7

9. (1 point) Section 13.2, Problem 10

10. (1 point) Section 13.2, Problem 14