Quiz 5   **Calculus 1**   **7/19/2005**

Each problem is worth 5 points. Clear and complete justification is required for full credit.

1. Find the maximum **value** of the function $f(x) = -x^2 + 5x - 7$.

2. Find the **exact coordinates** of the inflection point of the function $g(x) = x^3 + 2x^2 - 1$.

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