

## QUIZ 11

Name \_\_\_\_\_

1. Find all relative maximum and minimums for the function  $f(x) = 3x^2 - 17x + 25$ .

2. Evaluate  $\int (x^3 - e^{2x}) dx$ .

3. If  $f(x) = 3x^2 - \frac{1}{x}$  find the antiderivate,  $F(x)$ , such that  $F(1) = 6$ .