

Name:

ID:

Evaluate (if possible) two of the following three integrals

1.  $\int \frac{x}{\sqrt{6x - x^2}} dx$

2.  $\int \frac{2x}{(x+2)(x^2 - 2x + 1)} dx$

3.  $\int_1^{\infty} \frac{\ln x}{x^4} dx.$