You have 20 minutes to complete this quiz.

Name: _____

1. (5 points) Use Cramer's Rule to solve the system:
   $4x_1 - 3x_2 = -3$
   $-6x_1 + 2x_2 = 4$

2. (5 points) Find a basis for the span of the following polynomials in the vector space of all polynomials:
   $\{x^2 - 1, 2x - 3, x^2 + 1, 4\}$