Writing Projects are to be handed in when you come to a testing center to take your test. See the course Schedule to know what is due when. I prefer that you only use one side of each sheet of paper you use for a project. This makes it easier to read.

1. The three ways to solve a quadratic equation.
a. The student will solve $20 x^{2}-36 x-35=0$ in two ways:
i. factoring
ii. quadratic formula
b. The student will solve $3 x^{2}+5 x-2=0$ in two ways:
i. quadratic formula
ii. completing the square
c. The student will discuss briefly (two or three paragraphs) the advantages or disadvantages of each method.
2. Completing the Square to graph a quadratic function.
a. A worksheet will be provided.
b. The student will complete the square and graph the function by transforming the function $f(x)=x^{2}$, using Section 1.5 techniques.
3. Take-Home Test
a. I will deliver this test to you via e-mail.
b. This will coincide with Test 3, and count as part of the Test 3 score (20\%),
4. The three kinds of Linear Systems
a. The student will submit three examples of linear systems in three variables and solve them using Gauss-Jordan reduction.
i. One of the three systems will be inconsistent.
ii. One of the systems will be consistent, with a unique solution.
iii. One of the systems will be consistent, with infinitely many solutions.
b. The student will discuss each system in a few sentences.
