

Chaparral High School
Algebra II Review for Exam
Systems of Equations

This is a 50 minute exam to be completed without the aid of calculators. Please show all appropriate work and place answers in lowest terms. Please work independently. This exam will be scaled to 100 points. Good Luck!

- 1) **Section 3.1** (6 points) Solve the following system of equations by using the **Graphing Method**.

$$3x - 4y = 24$$

$$3x + 2y = 6$$

- 2) **Section 3.2** (6 points) Solve the following system of equations by using the **Method of Substitution**.

$$6x - 8y = 6$$

$$-3x + 2y = -2$$

- 3) **Section 3.2** (6 points) Solve the following system of equations by using the **Method of Elimination**.

$$3x - 2y = 22$$

$$-5x + 6y = -36$$

- 4) **Sections 3.1/3.2** (6 points) Solve the following system of equations.

$$5x - 3y = 6$$

$$4x + 2y = 9$$