8.2 Systems of Equations Worksheet Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**1.** Verify that (1,  4) is a solution to the following system of equations.

*y*  *x*2  2*x*  3

*y*  *x*2  2*x*  5

**2.** Solve each system of equations.

**a)** *y*  2*x*  1 **b)** 4*x*  *y*  5  *x*2

*y*  *x*2  5*x*  13 *x*2  5*x*  2*y*

**c)** *y*  *x*2  6*x*  3 **d)** 2*x*2  *x*  7  *y*

*y*  *x*  3 3*x*  *y*  23  0

**e)** *y*  3*x*  3 **f)** 2*x*  *y*  9

*y*  *x*2  4*x*  1 2*x*2  4*x*  *y*  5