Pre-Calculus 20 **Solving Systems of Equations**

Solve by substitution or elimination.

1. 0 = x2 – 4x – 3y + 13  
 0 = x – y + 1

2. -3x2 + 36x – y – 109 = 0   
 - 3x - y + 11 = 0

3. x2 + 12x + 2y = - 26  
 2x + y = - 7

4. 2x2 – 16x – 5y + 42 = 0  
 2x2 + 4x + 5y – 58 = 0

**Answers**:  
1. {(5,6)(2,3)} 2. {(5,-4)(8,-13)} 3. {(-6,5)(-2,-3)} 4. {(4,2)(-1,12)}