Name:

Date:

1. Solve the following equation using the appropriate factoring method. Show all the steps in the solution. (5 marks)

$$2x^2 + 9 = 9x$$

2. Solve the following equations using the quadratic formula. Show all the steps in the solutions. (5 marks each)

a) $-x^2 + 6x - 9 = 0$

b) $-9x^2 + 6x - 1 = 0$

c) $3x - x^2 = -4$

d) $3x^2 = 12$