Name: _____ Date: _____

Quadratic Equations

Q1   Check whether the following are quadratic equations :

a. $2(x - 3) = 2(x + 1)$

b. $x^2 + 3x + 1 = 2(x - 2)$

c. $x^2 - 3x = 0$

d. $y + 1/y = 1z$

Q2   Represent the following situations in the form of quadratic equations :

a. The area of a carpet is 528 m^2. The length of the carpet (in metres) is one more than twice its breadth. Find the length and breadth of the carpet.

b. The product of two consecutive numbers is 342. Find the numbers.