1. Solve each of the quadratic equations below. If the solutions are nonreal imaginary numbers, leave as a radical. (We will learn how to write as an imaginary number in this Unit).

A. x2 + 10x + 24 = 0 B. x2 – 6x + 13 = 0

C. 2x2 + x – 10 = 0 D. x2 – 4x = -29

E. (x + 5)2 – 20 = 0

2. Find the value of the discriminant for each quadratic equation. Then describe the number and type of roots for the equation.



A. B.



C. D.