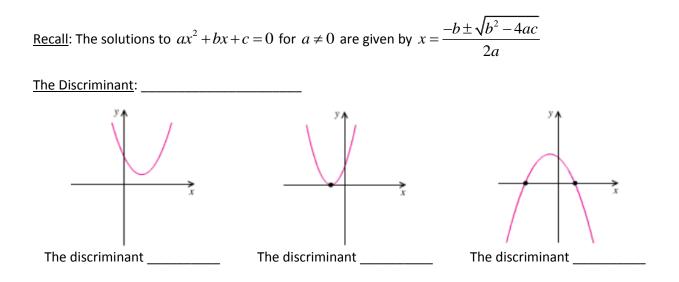
Studying Quadratic Solutions (8.3)

Math 098



Example 1: Consider the following quadratic equations. How many and what type of solutions are there in each of these examples.

a.)
$$x^2 - 2x + 4 = 0$$

b.) $4x^2 - 12x + 9 = 0$

c.)
$$6x^2 + 5x - 4 = 0$$

Example 2: Find quadratic equation(s) for which the given values are the solutions

a.) 4 and 2/3

b.) -5

c.) 3√2

d.) 5-2i and 5+2i (solve using two methods)

e.)
$$\frac{5}{4} + \frac{\sqrt{33}}{4}$$
 and $\frac{5}{4} - \frac{\sqrt{33}}{4}$ (solve using two methods)