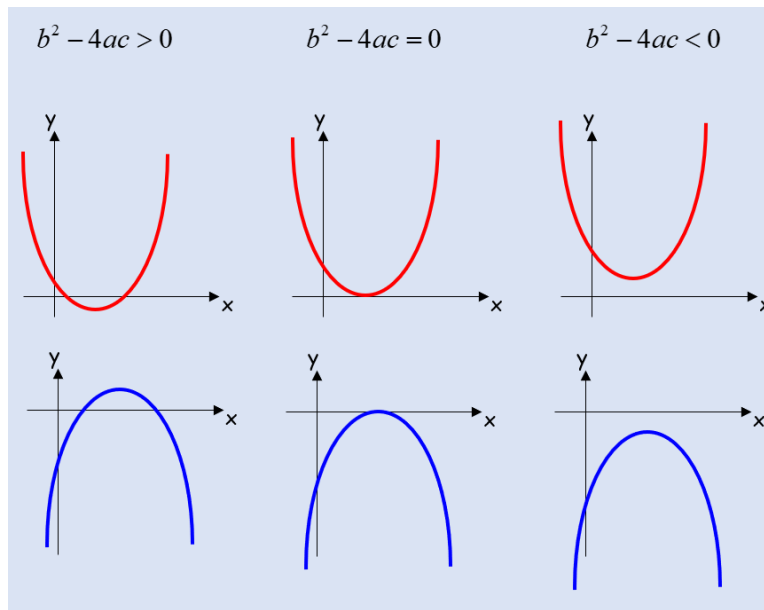


## 2G The Discriminant



1. Find the values of  $k$  for which;

$$x^2 + kx + 9 = 0$$

has equal roots.

2. Find the values of  $k$  for which;

$$x^2 + 4x + k = 0$$

has two distinct real solutions.