

#9 if discriminants equal  
then solutions equal.

Syllogism

examine discriminant

$$b^2 - 4ac$$

Same  
discrim

$$b = 5$$

$$b = -5$$

$$ax^2 + 5x + c = 0$$

$$ax^2 - 5x + c = 0$$

$$x^2 + bx + 2 = 0$$

$$a = 1, c = 2$$

$$a = 2, c = 1$$

$$2x^2 + bx + 1 = 0$$