

1. $x^2 + 2x + 5 = 0$
 $x^2 + 2x + 1 - 1 + 5 = 0$
 $(x + 1)^2 = -4$
 $x + 1 = \pm\sqrt{-4}$
 $x + 1 = \pm 2i$
 $x_1 = 2i - 1$
 $x_2 = -2i - 1$

2. $6x^2 + 7x + 2 = 0$
 $ac = 12$
 $6x^2 + 3x + 4x + 2 = 0$
 $3x(2x + 1) + 2(2x + 1) = 0$
 $(3x + 2)(2x + 1) = 0$
 $x_1 = -\frac{2}{3} \quad x_2 = -\frac{1}{2}$