

Correct. Rewrite the equation so that the right side is 0: $3(x + 1)^2 - 8x + 1 = 0$

Square the binomial: $3(x^2 + 2x + 1) - 8x + 1 = 0$

Multiply out: $3x^2 + 6x + 3 - 8x + 1 = 0$

Combine like terms: $3x^2 - 2x + 4 = 0$

The value of $b = -2$.