

Correct. Because  $a = 2$ , the first term will be  $2x^2$ . If we rewrite the equation with the right side equal to 0, the left side will have the term  $2x^2$ . To get 0 on the right side, add the opposite of  $-2x^2 + 3x + 1$  to both sides:

$$8x + 4 + 2x^2 - 3x - 1 = -2x^2 + 3x + 1 + 2x^2 - 3x - 1$$

$$2x^2 + 5x + 3 = 0$$

The value of  $b = 5$ , the coefficient of the  $x$  term.