Correct. Rewrite in standard form by subtracting 12x - 23 from both sides:  $x^2 - 10x + 24 = 0$ 

Use the Quadratic Formula,  $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$ , with a = 1, b = -10, and c = 24:

$$x = \frac{-(-10) \pm \sqrt{(-10)^2 - 4(1)(24)}}{2 \cdot 1} = \frac{10 \pm \sqrt{100 - 96}}{2} = \frac{10 \pm \sqrt{4}}{2} = \frac{10 \pm \sqrt{4$$

So 
$$x = \frac{10+2}{2} = \frac{12}{2} = 6$$
 or  $x = \frac{10-2}{2} = \frac{8}{2} = 4$