You may have thought you needed to solve $-6c - 3 = 15$, but you put the negative sign in the wrong place. If $|X| = 15$, then $X = 15$ or $X = -15$. In this problem, X is replaced by $6c - 3$. You should be solving two equations, $6c - 3 = 15$ and $6c - 3 = -15$.