If $|X| = 34$, then $X = 34$ or $X = -34$. In this problem, X is replaced by $-6d - 8$. You should be solving two equations, $-6d - 8 = 34$ and $-6d - 8 = -34$, but you solved only one of them. The correct answer is $d = -7$ or $d = 4\frac{1}{3}$.