

You may have tried to solve by changing the signs to $6d + 8 = 34$ and then just solving this equation. However, if $|X| = 34$, then $X = 34$ or $X = -34$. In this problem, X is replaced by $-6d - 8$. So you should be solving *two* equations, $-6d - 8 = 34$ and $-6d - 8 = -34$. The correct answer is $d = -7$ or $d = 4\frac{1}{3}$.