Exercise 1   Given that
$$\lim_{x \to 2}(5x - 7) = 3$$
illustrate the precise definition of a limit by finding values of δ that correspond to $\varepsilon = 0.1$, $\varepsilon = 0.05$, and $\varepsilon = 0.01$.

Exercise 2   Prove

$$\lim_{x \to -2} (3x + 5) = -1$$

using the ε, δ definition of a limit.