The Formal Definition of a Limit-HW Problems

Use an ϵ, δ argument to prove the following limits.

1. $\lim\limits_{x \to 3}(x + 2) = 5$

2. $\lim\limits_{x \to 1}(4x - 2) = 2$

3. $\lim\limits_{x \to -2}\left(\dfrac{1}{2}x - 3\right) = -4$.