1. Use the ε,δ definition of the limit to prove $\lim_{x\to 5}(2x-3)=7$
2. Prove that $\lim_{x\to 3}\left(x^2+2x-5\right)=10$
3. In answering the following question, round all values to the nearest 0.01.
   Given $f(x)=\dfrac{1}{x-2}$, $\lim_{x\to 3}f(x)=1$, and $\varepsilon=0.1$, find the largest value of δ such that
   If $0<|x-3|<\delta$, then $|f(x)-1|<\varepsilon$.
4. Use the ε,δ definition of the limit to prove $\lim_{x\to 5}(3x-4)=11$
5. Prove that $\lim_{x\to 2}\left(x^2-3x+3\right)=1$
6. Prove that $\lim_{x\to 2}\left(2x^2-x-2\right)=4$

More:

1. $\lim_{x\to 2}\left(x^2-3x+5\right)=3$
2. $\lim_{x\to 1}\left(x^2+5x+4\right)=10$
3. $\lim_{x\to -1}\left(3x^2-x+4\right)=8$