

HW #5

- ① Prove that $f(x) = 3x - 6$ approaches ① when x approaches 2.
- ② Prove that $f(x) = 4x + 9$ approaches 17 when x approaches 2.
- ③ Prove that $f(x) = 2x^2 + 3$ approaches 5 when x approaches 1.
- ④ Prove that $f(x) = 3x^2 - 1$ approaches 11 when x approaches 2.
- ⑤ Prove that $f(x) = x^3$ approaches 81 when x approaches $\sqrt[3]{81}$.
- ⑥ Prove that $f(x) = x^2 + 4x + 2$ approaches 7 when x approaches 1.

Good Luck!

Safir.