Evaluate the following for $f(x)=2 x^{2}+x-5$
a) $f(-4)=2(-4)^{2}+(-4)-5$
b) $f(1)$


$$
\begin{aligned}
& =2 \cdot(1)^{2}+(1)-5 \\
& =-2 \\
& (1,-2)
\end{aligned}
$$

his is a point
our graph.

Evaluating using a graphing calculator
Nov 7-2:54 PM

A function is defined by $g(x)=\sqrt{x-3}$
Graph the function for $3 \leq \mathrm{x} \leq 10$ (Domain)

| $x$ | $y$ |
| :--- | :--- |
| 3 | 0 |
| 4 | 1 |
| 5 | 1.41 |
| 6 |  |
| 7 |  |
| 8 |  |
| 9 |  |
| 10 |  |



What are the domain and range of the function?
R: $0 \leq y \leq 2.65$

Use the following graph to evaluate the following:


$$
\begin{array}{lll}
\mathrm{f}(-4)=2 & \mathrm{f}(3)=4 & \mathrm{f}(-1)=-2 \\
\mathrm{f}(\mathrm{x})=-2 \\
x=-1 & \& \sim 15 & x=3,5
\end{array}
$$

Determine an ordered pair describing the point on the graph with $y$ - coordinate $f(0)$


Nov 7-3:02 PM

Given the function $\mathrm{f}(\mathrm{x})=2 \mathrm{x}+3$ determine the following

$$
\begin{aligned}
& N_{t a}=2(a)+3 n(x)=2(6 x)+3 \\
& f(6 x)=12 x+3 \\
& \Delta f(x+1)=\{(x+1)+3 \\
& =2 x+2+3 \\
& =2 x+5 \\
& \operatorname{Pg} .307 \frac{1,3 a}{5,7,11 a c} \\
& \text { 16,17 }
\end{aligned}
$$

