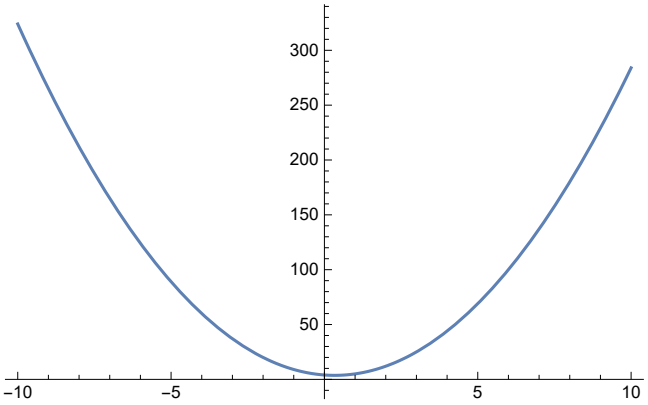
Tech Project 1

Part 1

```
Plot [4 - 2 x + 3 x^2, {x, -10, 10}]
```

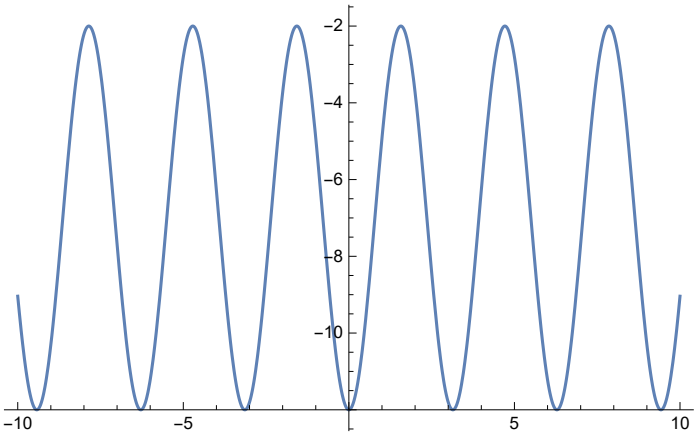
Out[ ]= plot $\left[4 - 2\,x + 3\,x^2,\ \{x,\ -10,\ 10\}\right]$

In[2]:=



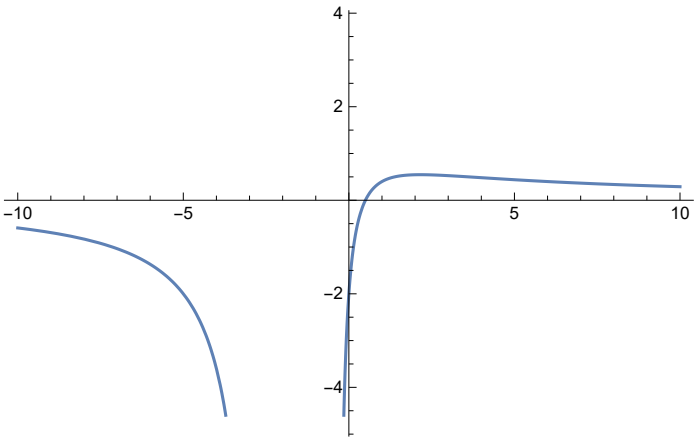

```
Plot[-7 - 5 Cos[2 x], {x, -10, 10}]
```

Out[3]=



In[11]:=
$$\text{Plot}\left[\frac{4x-2}{x^2+3x+1}, \{x, -10, 10\}\right]$$

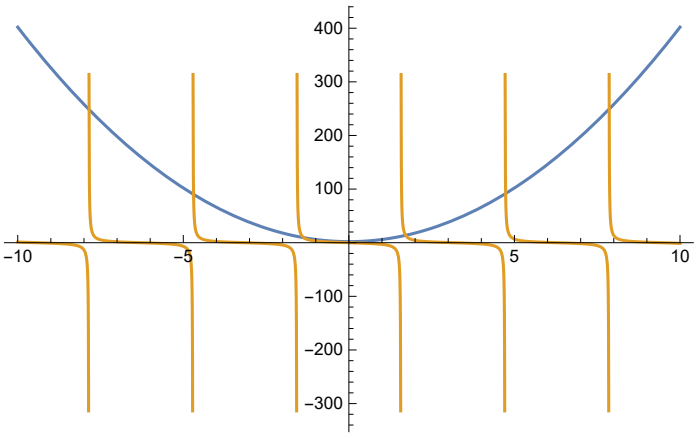
Out[11]=



Part 2

In[6]:=
```
Plot[{4 x^2 + 2, -2 Tan[x]}, {x, -10, 10}]
```

Out[6]=



Part 3

$$\text{Limit}\left[\frac{x^2-5x+4}{x-4}, x \to 4\right]$$

Out[7]= 3

In[8]:=
$$\text{Limit}\left[3\,\frac{\text{Sin}[4x]}{6x}, x \to 0\right]$$

Out[8]= 2

In[9]:=
```
Limit[1 - 3 Cos[x], x → Pi]
```

Out[9]= 4