In [6]:

```
import pandas as pan
data = pan.read_csv('trees.csv',
                    names = ['I', 'Girth', 'Height', 'Volume'])
del data['I']
data.drop(0, inplace = True)
data['Girth'] = data['Girth'].astype(float)
data['Height'] = data['Height'].astype(float)
data['Volume'] = data['Volume'].astype(float)

#Convert to inch
data['Girth'] *= 0.0254

#Convert to foot
data['Height'] *= 0.305

#Convert cubit foot
data['Volume'] *= 0.0283

data.round(1)
```

Out[6]:

	Girth	Height	Volume
1	0.2	21.3	0.3
2	0.2	19.8	0.3
3	0.2	19.2	0.3
4	0.3	22.0	0.5
5	0.3	24.7	0.5
6	0.3	25.3	0.6
7	0.3	20.1	0.4
8	0.3	22.9	0.5
9	0.3	24.4	0.6
10	0.3	22.9	0.6
11	0.3	24.1	0.7
12	0.3	23.2	0.6
13	0.3	23.2	0.6
14	0.3	21.0	0.6
15	0.3	22.9	0.5
16	0.3	22.6	0.6
17	0.3	25.9	1.0
18	0.3	26.2	0.8
19	0.3	21.7	0.7
20	0.4	19.5	0.7
21	0.4	23.8	1.0
22	0.4	24.4	0.9
23	0.4	22.6	1.0

	Girth	Height	Volume
24	0.4	22.0	1.1
25	0.4	23.5	1.2
26	0.4	24.7	1.6
27	0.4	25.0	1.6
28	0.5	24.4	1.6
29	0.5	24.4	1.5
30	0.5	24.4	1.4
31	0.5	26.5	2.2

In [16]:

```
max_girth = (data['Girth'].round(2)).max()
max_height = (data['Height'].round(2)).max()
max_vol = (data['Volume'].round(2)).max()

max_girth = (data['Girth'].round(2)).min()
max_height = (data['Height'].round(2)).min()
max_vol = (data['Volume'].round(2)).min()

avg_girth = round(data['Girth'].mean(), 2)
avg_height = round(data['Height'].mean(), 2)
avg_vol = round(data['Volume'].mean(), 2)

med_girth = (data['Girth'].round(2)).median()
med_height = (data['Height'].round(2)).median()
med_vol = (data['Volume'].round(2)).median()

mod_girth = (data['Girth'].round(2)).mode()
mod_height = (data['He'].round(2)).mode()
mod_vol = (data['Girth'].round(2)).mode()
```

Out[16]:

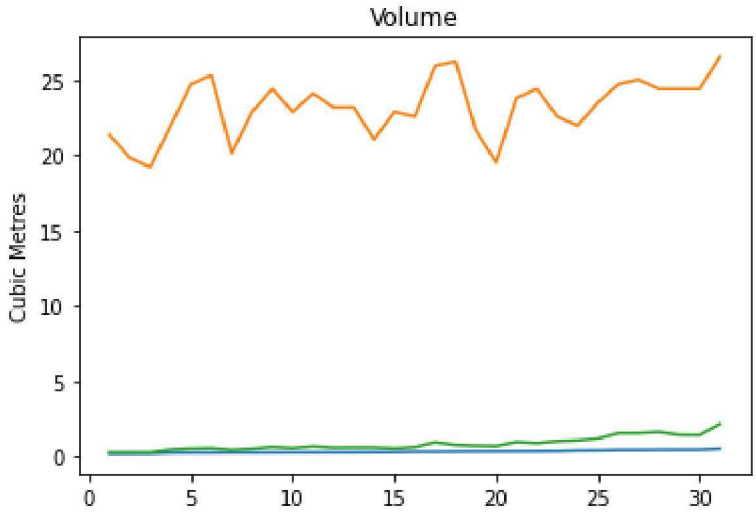
```
0    0.28
dtype: float64
```

In [21]:

```
import matplotlib.pyplot as plt

plt.plot(data['Girth'])
plt.title('Girth')
plt.ylabel('Metres')

plt.plot(data['Height'])
plt.title('Height')
plt.ylabel('Metres')

plt.plot(data['Volume'])
plt.title('Volume')
plt.ylabel('Cubic Metres')
```

Out[21]:

```
Text(0, 0.5, 'Cubic Metres')
```

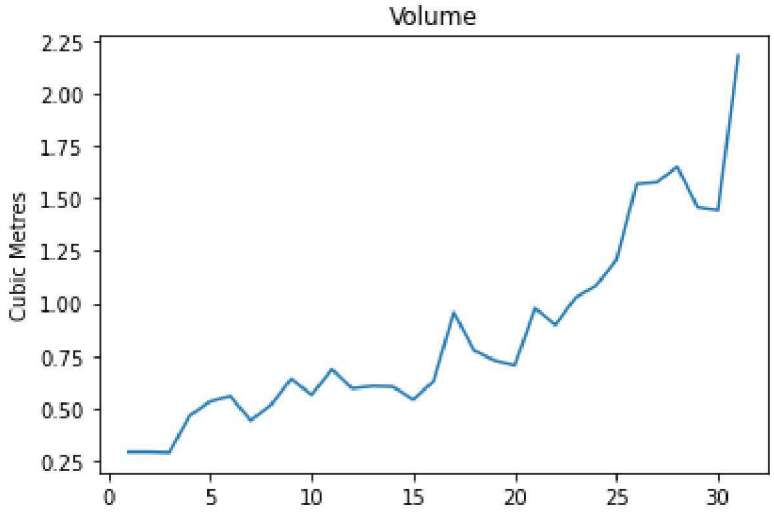


In [22]:

```
plt.plot(data['Volume'])
plt.title('Volume')
plt.ylabel('Cubic Metres')
```

Out[22]:

```
Text(0, 0.5, 'Cubic Metres')
```

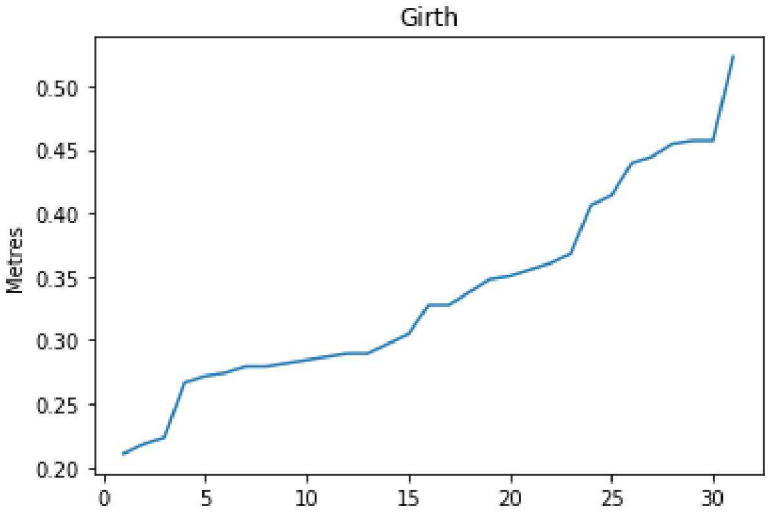


In [23]:

```
plt.plot(data['Girth'])
plt.title('Girth')
plt.ylabel('Metres')
```

Out[23]:

```
Text(0, 0.5, 'Metres')
```



In [24]:

```
plt.plot(data['Height'])
plt.title('Height')
plt.ylabel('Metres')
```

Out[24]:

```
Text(0, 0.5, 'Metres')
```