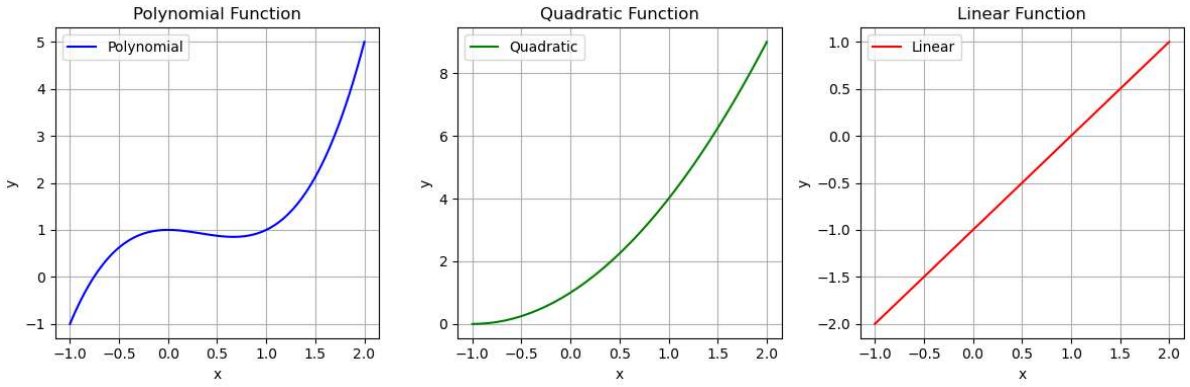
In [1]:
```
import numpy as np
import matplotlib.pyplot as plt

# Define the range and the number of points
x = np.linspace(-1, 2, 100)

# Define the functions
def polynomial(x):
    return x**3 - x**2 + 1

def quadratic(x):
    return x**2 + 2*x + 1

def linear(x):
    return x - 1

# Calculate the values of the functions
polynomial_values = polynomial(x)
quadratic_values = quadratic(x)
linear_values = linear(x)

# Create subplots
plt.figure(figsize=(12, 4))

# Subplot for the polynomial function
plt.subplot(131)
plt.plot(x, polynomial_values, label='Polynomial', color='b')
plt.xlabel('x')
plt.ylabel('y')
plt.title("Polynomial Function")
plt.grid(True)
plt.legend()

# Subplot for the quadratic function
plt.subplot(132)
plt.plot(x, quadratic_values, label='Quadratic', color='g')
plt.xlabel('x')
plt.ylabel('y')
plt.title("Quadratic Function")
plt.grid(True)
plt.legend()

# Subplot for the linear function
plt.subplot(133)
plt.plot(x, linear_values, label='Linear', color='r')
plt.xlabel('x')
plt.ylabel('y')
plt.title("Linear Function")
plt.grid(True)
plt.legend()

# Adjust subplot layout
plt.tight_layout()

# Display the subplots
plt.show()
```


Polynomial Function
Polynomial
y
x
Quadratic Function
Quadratic
y
x
Linear Function
Linear
y
x

In [ ]: