Untitled2

January 15, 2025

```python
[13]: import numpy as np
import matplotlib.pyplot as plt

# Parametere
A, B = 2, 0.5   # Tilbud
a, b = 10, 0.4   # Etterspørsel

# Kvantum x
x = np.linspace(0, 30, 100)

# Funksjoner
tilbud = A + B * x
etterspørsel = a - b * x

# Likevekt
x_star = (a - A) / (B + b)
p_star = A + B * x_star

# Plot
plt.figure(figsize=(8, 6))
plt.plot(x, tilbud, label="Tilbud (p = A + Bx)", color="blue")
plt.plot(x, etterspørsel, label="Etterspørsel (p = a - bx)", color="orange")
plt.scatter(x_star, p_star, color="red", label="Likevekt")
plt.axhline(y=p_star, color="gray", linestyle="--")
plt.axvline(x=x_star, color="gray", linestyle="--")

# Merking
plt.title("Markedets likevekt")
plt.xlabel("Kvantum (x)")
plt.ylabel("Pris (p)")
plt.legend()
plt.grid()
plt.show()
```

Markedets likevekt