

Opgave 1

a) Tegn i intervallet $[-5; 5]$:

$$f(t) = (t + 1)u(t) \quad (1.1)$$

b) Tegn i intervallet $[-2\pi; 2\pi]$:

$$f(t) = \sin(t)u(t) \quad (1.2)$$

c) Tegn pulstoget

$$f(t) = \delta(t - 2) - 3\delta(t - 3, 5) + 0, 2\delta(t - 6) \quad (1.3)$$

d) Tegn funktionen

$$f(t) = (\delta(t - 2) - 3\delta(t - 3, 5) + 0, 2\delta(t - 6))u(t - 3) \quad (1.4)$$

e) Opskriv funktions foreskriften for funktionen $f(t)$ på Figur 1.1.

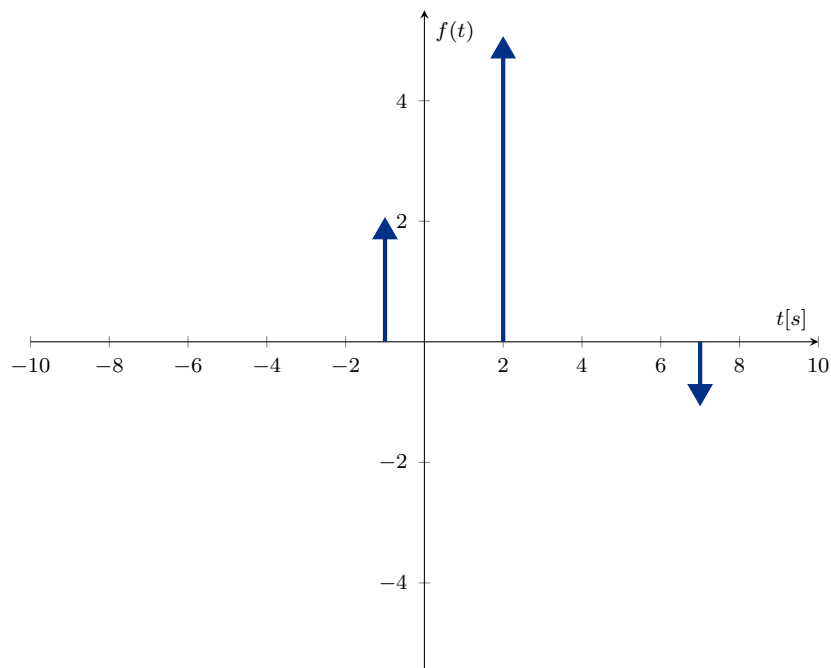


Figure 1.1: Plot af $f(t)$.