Discrete time systems and z-transform

Solutions Module 4 - No steps

- 1.a: $x[n] = 4\delta[n] + 3\delta[n+1] - 5\delta[n-1] - 2\delta[n-2]$
- 1.b: $x[n] = -3(-\frac{1}{4})^n u[n] + 4(-\frac{1}{2})^n u[n]$
- 1.c: $x[n] = (-\frac{1}{2})^n u[n]$
- 1.d: $x[n] = -(\frac{1}{a})^{n+1} u[n] + (\frac{1}{a})^{n-1} u[n-1]$
- 1.e: $x[n] = -\frac{4^n}{n} u[-n-1]$
- 1.f: $x[n] = 5\delta[n] - 2^n u[-n-1] - 3(\frac{1}{2})^n u[n]$