EECS 360
Homework #13

1. Section 6.6 Participation Activities
   6.6.1: z-transform definition.
   6.6.2: z-transform of a finite duration sequence.
   6.6.4: Visualizing the z-transform.
   6.6.6: z -transform of sinusoids.
   6.6.7: z-transforms of some sinusoids.
   6.6.8: z-transform pairs.
2. Exercise 6.6.1
3. Given x[n] ={0,2,3,4,3,2,0}find X(z).
4. Section 6.7 Participation Activities
   6.7.2: Convolution property of the z-transform
   6.7.3: z-transform properties.
   6.7.4: z-transform properties-part 2
5. Section 6.7 Challenge Activity
   6.7.1: Properties of the z-transform (1)
6. Exercise 6.7.1
7. Section 6.8 Participation Activities
   6.8.1: Inverse z-transforms.
8. Exercise 6.8.1 a & b
9. Exercise 6.8.2 a
10. Section 6.9 Participation Activities
    6.9.1: Difference equation, block diagram, transfer function, and impulse response.
    6.9.2: Discrete LTI system transfer function, impulse response, and difference equation.
    6.9.3: Deriving the transfer function from a difference equation.
11. Given a Transfer function $H(z)=z^{-2}+3\,z^{-3}+z^{-4}$ find the impulse response.