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Signals and Systems

Homework #1 Problem Set

October 8, 2019

1. **Q1.2** The Polar forms of given Cartesian coordinates are:
2. **Q1.4** Values of n for which signal x[n] = 0:
3. **Q1.5** Values of t for which signal x[t] = 0:
4. **Q1.12** Values of Integers M and n0 of Discrete Time Signal: so that x[n] can be expressed as :
5. **Q1.14** Values of A1, t1, A2, and t2 given Periodic Signal with period T=2. Derivative of signal is related to “impulse train” with period T=2. It can be shown that :