Introduction to DSP: Signals - Assignment

- 1. Determine which of the following signals are periodic, and find their fundamental period.
 - (a) $\cos(0.123\pi n 0.6\pi)$
 - (b) $\sin(0.1\pi^2 n)$

- (c) $\sin(0.1\pi n) + \cos(0.23\pi n + 0.13\pi) + \sin(0.43\pi n)$
- (d) $\exp(-j0.423\pi n)$
- (e) $0.123 \times (n \mod 10)$
- (f) $\sqrt{2} \times (n \mod N)^2$