Justin Huckins COSC 360

11a, Z = -2+2j Im V(+) = 4 (05 (27/(10,0)+ +30°) V(0) = 4 cos(0+38) V(0) = 45 V(0) == 3,464101615 b. VH) = 2 sin (2 TT (10.0+ -60°) V(0)=2 sin (0-60°)

3.
$$f(x) = \{1,0 \le x < TT \}$$

$$x \ne (0,1T < x \le zTT)$$

$$Phases versus frequency$$

$$f(t) = A0 \implies Anlos(nt) + Bn Sin(nt)$$

$$2 + \sum_{n=1}^{\infty} Anlos(nt) + Bn Sin(nt)$$

$$f(t) = a \implies f(t) \le (t - to) \le t$$

$$f(w) = a \implies f(t - to) \le t$$

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$$f(w) = a \implies f(w) = -w + t$$

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$$f(w) = a \implies f(w) = -w$$

● 5. Range [0,1] P(X) = ZX $= \int_{6}^{6} P(x) dx = 1$ $-2(x^{2})^{1}=1$ - Z (1 - 0) = 1 find the mean $M = \frac{1}{2} \frac{2}{2} \times i$ $M = \frac{1}{2} (2(0) + 2(1))$ $M = \frac{1}{2} (2(0) + 2(1))$

