$$\frac{2\pi i z}{3+3} + \frac{\pi}{3} = -kx - \beta \frac{3x}{3+}$$

$$\frac{3^2 x}{3+3} + \frac{\beta}{m} \frac{3x}{3+} + \frac{\beta}{m} \frac{3x}{3+} = 0$$

$$\frac{3^2 x}{3+3} + \frac{\beta}{m} \frac{3x}{3+} + \frac{\beta}{m} \frac{3x}{3+} = 0$$

$$\frac{3^2 x}{3+3} + \frac{\beta}{m} \frac{3x}{3+} + \frac{\beta}{m} \frac{3x}{3+} = 0$$

$$\frac{816}{84+444} = \frac{816}{32+452} = \frac{1}{4} \sin s \qquad m = \frac{1}{4} \sin s$$

$$\frac{3^2 x}{3+2} + 4\sqrt{2} \frac{3x}{3+} + 8x = 0$$

$$\frac{3^2 x}{3+2} + 4\sqrt{2} \frac{3x}{3+} + 8x = 0$$

$$\frac{3^2 x}{3+2} + 4\sqrt{2} \frac{3x}{3+} + 8x = 0$$

$$\frac{3^2 x}{3+2} + 4\sqrt{2} \frac{3x}{3+} + 8x = 0$$

$$\frac{3^2 x}{3+2} + 4\sqrt{2} \frac{3x}{3+} + 8x = 0$$

$$\frac{3^2 x}{3+2} + 4\sqrt{2} \frac{3x}{3+} + 8x = 0$$

$$\frac{3^2 x}{3+2} + 4\sqrt{2} \frac{3x}{3+} + 8x = 0$$

$$\frac{3^2 x}{3+2} + 4\sqrt{2} \frac{3x}{3+} + 8x = 0$$

$$\frac{3^2 x}{3+2} + 4\sqrt{2} \frac{3x}{3+2} + 8x = 0$$

$$\frac{3^2 x}{3+2} + 4\sqrt{2} \frac{3x}{3+2} + 8x = 0$$

$$\frac{3^2 x}{3+2} + 4\sqrt{2} \frac{3x}{3+2} + 8x = 0$$

$$\frac{3^2 x}{3+2} + 4\sqrt{2} \frac{3x}{3+2} + 8x = 0$$

$$\frac{3^2 x}{3+2} + 4\sqrt{2} \frac{3x}{3+2} + 8x = 0$$

$$\frac{3^2 x}{3+2} + 4\sqrt{2} \frac{3x}{3+2} + 8x = 0$$

$$\frac{3^2 x}{3+2} + 4\sqrt{2} \frac{3x}{3+2} + 8x = 0$$

$$\frac{3^2 x}{3+2} + 4\sqrt{2} \frac{3x}{3+2} + 8x = 0$$

$$\frac{3^2 x}{3+2} + 4\sqrt{2} \frac{3x}{3+2} + 8x = 0$$

$$\frac{3^2 x}{3+2} + 4\sqrt{2} \frac{3x}{3+2} + 8x = 0$$

$$\frac{3^2 x}{3+2} + 4\sqrt{2} \frac{3x}{3+2} + 8x = 0$$

$$\frac{3^2 x}{3+2} + 4\sqrt{2} \frac{3x}{3+2} + 8x = 0$$

$$\frac{3^2 x}{3+2} + 4\sqrt{2} \frac{3x}{3+2} + 8x = 0$$

$$\frac{3^2 x}{3+2} + 4\sqrt{2} \frac{3x}{3+2} + 8x = 0$$

$$\frac{3^2 x}{3+2} + 4\sqrt{2} \frac{3x}{3+2} + 8x = 0$$

$$\frac{3^2 x}{3+2} + 4\sqrt{2} \frac{3x}{3+2} + 8x = 0$$

$$\frac{3^2 x}{3+2} + 4\sqrt{2} \frac{3x}{3+2} + 8x = 0$$

$$\frac{3^2 x}{3+2} + 4\sqrt{2} \frac{3x}{3+2} + 8x = 0$$

$$\frac{3^2 x}{3+2} + 4\sqrt{2} \frac{3x}{3+2} + 8x = 0$$

$$\frac{3^2 x}{3+2} + 4\sqrt{2} \frac{3x}{3+2} + 8x = 0$$

$$\frac{3^2 x}{3+2} + 4\sqrt{2} \frac{3x}{3+2} + 8x = 0$$

$$\frac{3^2 x}{3+2} + 4\sqrt{2} \frac{3x}{3+2} + 8x = 0$$

$$\frac{3^2 x}{3+2} + 4\sqrt{2} \frac{3x}{3+2} + 8x = 0$$

$$\frac{3^2 x}{3+2} + 4\sqrt{2} + 2\sqrt{2} + 8x = 0$$

$$\frac{3^2 x}{3+2} + 4\sqrt{2} + 2\sqrt{2} + 2\sqrt$$

$$D(Noor) = (1 e^{-2\sqrt{2}t} + (2 e^{-2\sqrt{2$$

(2) (WHH 225) 2012 #9/ NOON m dex + KX = fct) F=68 e-2+ (0) 4+ 2 d2x +32x = 68e-2+ x(0)=0 X 11+16 X = 34e-2+ (05 (4+) 12+16=0 C=+4i Xh = (1 (0) 4 t+ (2 sin 4t Xp=Ae cosa++Be sina+ XP'= -ZAe-ct (OS4+ - 4Ae-ct SM4+ - ZBe-ct SM4+ + 4Be-2+ cos4+ XP = 4Ae - 2+ COS4+ +PA e - 2+ SIN4+ +8 A e - 2+ SIN4+ 16 Ae-2+ COS 4+ + 4Be-2+ Sin4+ -8 Be-2+ COS 4+ -8 Be-2+ cos 4+ - 16 Be-2+ sin 4+ 4Ae-2+ cos4+ +8Ae-2+s,n4+ +8Ae-2+s,n4+ -18Ae-2+ +4Be-st 4+-8Be-st cos4+-8Be-st cos4+-16Be-sin4+ + 16 (Ae cosy++Be 2+ sin41) = 34e-2+ cos(4+)

$$2 | \frac{2 \sqrt{12} + 9 | NOON | MTH 225}{4A - 16B = 34}$$

$$16A + 44B = 0$$

$$A = \frac{1}{2} | B = -2$$

$$Xp = \frac{1}{2} e^{-2t} \cos 4t - 2 e^{-2t} \sin 4t$$

$$X(t) = X_1 + X_p$$

$$X(t) = (1 \cos 4t + (2 \sin 4t + \frac{1}{2} e^{-2t} \cos 4t - 2e^{-2t} \sin 4t)$$

$$X(0) = 0$$

$$0 = (1 + \frac{1}{2} | X'(t) = -4(\frac{1}{2}) \sin 4t + 4(2 \cos 4t - e^{-2t} \cos 4t)$$

$$(1 = -\frac{1}{2} | 0 = 4(2 - 1 - 8)$$

$$(2 = \frac{4}{4} | 0 = 4(2 - 1 - 8)$$

$$(2 = \frac{4}{4} | 0 = 4(2 - 1 - 8)$$

$$(3 + 4 + 4 | 0 = 4(2 - 1 - 8)$$

$$(4 + 4 | 0 = 4(2 - 1 - 8)$$

$$(5 + 4 | 0 = 4(2 - 1 - 8)$$

$$(6 + 4 | 0 = 4(2 - 1 - 8)$$

$$(7 + 4 | 0 = 4(2 - 1 - 8)$$

$$(8 + 4 | 0 = 4(2 - 1 - 8)$$

$$(1 + 4 | 0 = 4(2 - 1 - 8)$$

$$(2 + 4 | 0 = 4(2 - 1 - 8)$$

$$(3 + 4 | 0 = 4(2 - 1 - 8)$$

$$(4 + 4 | 0 = 4(2 - 1 - 8)$$

$$(5 + 4 | 0 = 4(2 - 1 - 8)$$

$$(7 + 4 | 0 = 4(2 - 1 - 8)$$

$$(8 + 4 | 0 = 4(2 - 1 - 8)$$

$$(8 + 4 | 0 = 4(2 - 1 - 8)$$

$$(8 + 4 | 0 = 4(2 - 1 - 8)$$

$$(8 + 4 | 0 = 4(2 - 1 - 8)$$

$$(8 + 4 | 0 = 4(2 - 1 - 8)$$

$$(8 + 4 | 0 = 4(2 - 1 - 8)$$

$$(8 + 4 | 0 = 4(2 - 1 - 8)$$

$$(8 + 4 | 0 = 4(2 - 1 - 8)$$

$$(8 + 4 | 0 = 4(2 - 1 - 8)$$

$$(8 + 4 | 0 = 4(2 - 1 - 8)$$

$$(8 + 4 | 0 = 4(2 - 1 - 8)$$

$$(8 + 4 | 0 = 4(2 - 1 - 8)$$

$$(8 + 4 | 0 = 4(2 - 1 - 8)$$

$$(8 + 4 | 0 = 4(2 - 1 - 8)$$

$$(8 + 4 | 0 = 4(2 - 1 - 8)$$

$$(8 + 4 | 0 = 4(2 - 1 - 8)$$

$$(8 + 4 | 0 = 4(2 - 1 - 8)$$

$$(8 + 4 | 0 = 4(2 - 1 - 8)$$

$$(8 + 4 | 0 = 4(2 - 1 - 8)$$

$$(8 + 4 | 0 = 4(2 - 1 - 8)$$

$$(8 + 4 | 0 = 4(2 - 1 - 8)$$

$$(8 + 4 | 0 = 4(2 - 1 - 8)$$

$$(8 + 4 | 0 = 4(2 - 1 - 8)$$

$$(8 + 4 | 0 = 4(2 - 1 - 8)$$

$$(8 + 4 | 0 = 4(2 - 1 - 8)$$

$$(8 + 4 | 0 = 4(2 - 1 - 8)$$

$$(8 + 4 | 0 = 4(2 - 1 - 8)$$

$$(8 + 4 | 0 = 4(2 - 1 - 8)$$

$$(8 + 4 | 0 = 4(2 - 1 - 8)$$

$$(8 + 4 | 0 = 4(2 - 1 - 8)$$

$$(8 + 4 | 0 = 4(2 - 1 - 8)$$

$$(8 + 4 | 0 = 4(2 - 1 - 8)$$

$$(8 + 4 | 0 = 4(2 - 1 - 8)$$

$$(8 + 4 | 0 = 4(2 - 1 - 8)$$

$$(8 + 4 | 0 = 4(2 - 1 - 8)$$

$$(8 + 4 | 0 = 4(2 - 1 - 8)$$

$$(8 + 4 | 0 = 4(2 - 1 - 8)$$

$$(8 + 4 | 0 = 4(2 - 1 - 8)$$

$$(8 + 4 | 0 = 4(2 - 1 - 8)$$

$$(8 + 4 | 0 = 4(2 - 1 - 8)$$

$$(8 + 4 | 0 = 4(2 - 1 - 8)$$

$$(8 + 4 | 0 = 4(2 - 1 - 8)$$

$$(8 + 4 | 0 = 4(2 - 1 - 8)$$

$$(8 + 4 | 0 = 4(2 - 1 - 8)$$

$$(8 + 4 | 0 = 4(2 - 1 - 8)$$

$$(8 + 4 | 0 = 4(2 - 1 - 8)$$

$$(8 + 4$$

3 NOUT MTH 225 QUIZH9 (A) WO = 48FI EF JUY = WCW) EIJUY = 48 EIN 27 = 48h 1003 = 4800 +C1 = 2403+C1 Juz = 241/3 + C, w+cz = 803+C, w+Cz 411(0)=0 0-0+0+(2 > (2=0 2 2 = 8 w3 + C, a 1 = 84 + 4 + 4 + 63 = 2 m + 4 4 m 2 + 63 Y=== Us+ C1 W3 + C3 W 0===+1+(3.)12+5(2+306==0 A11(D=0 0=8+01 -8

$$\frac{3}{3}NON | MTH 275 | QUIZ # 9 |$$

$$12+5(-8) +30 C_3 = 0$$

$$12-40 +30 C_3 = 0 \Rightarrow 30 C_3 = 20$$

$$C_3 = \frac{28}{30} - \frac{14}{15}$$

$$9 = \frac{2}{5}u^5 - \frac{8u^3}{15} + \frac{14}{15}u$$

$$9 = \frac{2}{5}u^5 - \frac{4}{3}u^3 + \frac{14}{15}u$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10 = 0$$

$$10$$

Du = 8 my + Cin2 + Cin+C3 = 2n + Cin2 + Con
2 + C3