## Solutions Exam II

Irigonometry ExAm Pg Ine SPR 2021 fix= 4cos(3x)=> Amplitude = 1/4/ B fix) = cosix) = the Thomas HUND 2 \_ fin= 2 sin(x) => Domain = (-0,0) (3) B fix = 2 sim(x) => Amplitume = 121 9 RANGE = RANKES TO THE [E-2,2] (5) (RANGE of fine (scins) (-0, -1] u[1,00) ? RANGE of gins = sei (x) = (-0, -1] u[1,00) 6 There is no charge to the basic period. Ð. (8) OMIT -> US X S T -> PELIOD = TT -> BASIL INTERNAD XI= -3 SIN(-2X) AMPLITUDED (10

(12) BASIC SHAPE B 200 AMPLITURA - 1-21 2+--Vertical shift NONE BASH INTERVAL OCXLIT C 13 BASIC SHAME is for "-SINIX" -) NOT NOT B AMP: is 2= 1-21 = 50 NOT A. ON D VERTICAL SHIFT IS +3-BASIC INTERVAL IS UNCHANDED = OF XEDIT -THUS IT IS C BASIC SHAPE IS for "+ EUSIXI" - SO NOT A,B (14) of C AMA= 15 2=12/-Vertical shifts is up IL BASIC INTERVAL is OF X = TT => 0 = 2X = 2TT THUS IT IN DI (15) OMIT C COSIXI has no Asymptotic - NOT A -(16) tanix has asymptotes at 000 multiples OF The => NOT B Cse (x) has asymptotes at integes multiples of IT -Sec (x) has same asymptotes as tanin -> NOT D BASIC SHAPE IS FOR +SECIN SO NOT A, OR D AMP is 1-21=2. Thus: C Vertical shift: 11 BASIC INTERVAL OCXUDY- - NOT B

Pg your GEARS WITH THE SAME CENTER 24 415 ROTATE THROUGH THU SAME ANOLUS 30 THE ANOLE IS 1415/ (25) fin= -2-35mm BASIC SHAPE = Angolitude : 1-31 Vertical Shift: Down 2 BASIC INTERVAL : OS XEDIT R. €. f(x) = 2 cus(2x - TT) BASIC SHAPE TO AMPLITUDE 12 VENTICAL SHIFT : NONE -> BASIC INTERVAL : 217 π 04 2X-11 2211 +11 +11 +11 >> TT = 2x = 3TT " T < X < 3T -

