Homework 1

1.

Major X - area = (2) = (0,16m)2 | = (0,08m)2 | = 0,022 m2 = [2010m2]

Die X - area = major X - area = (0,2m)2 | = (0,10m)2 | = 0,010m2 \cdot | = 0,0314 m2 = [3.14 cm2]

Water - Y - area = (0,2m)2 | = (0,2m)2 | = 0,010m2 \cdot | = 0,0314 m2 = [3.14 cm2]

Die - Y - area = (0,2m)2 | = (0,2m)2 | = (0,10m)2 | = (0,10m)2

Scanned with CamScanner

Got per die y = cost per majory => Mindd-x = 64-4.00 - 10.34 Cost- per-die-X= cost-per- wafocx 4101d- Y= 100-9.42 = 90.58 10.5 defected - dies-Y = 314 mx. 0.03 defects Popular Dies-X = 201 gaz. 0.02 defects = 4.02 defected diedes dis-per_majesx - defracel_dies_x dies_perchatery - delocked-dies-y 19.62 100-9.42 En- 4.09 7 6,25 per die 30.50 10,266/ per diado

1101d-x=?



8) 1)
$$de{ect} = x = 201 \text{ m/s}$$
 $0.023 \frac{def}{de} = 4.623$ 11) $de{ect} = 314 \text{ m}^2 \cdot 0.0341 \frac{def}{de} = 10.8 det$
 $4 \text{ lied} = x = 20.4 \text{ m/s}$ $0.023 \frac{def}{de} = 4.623$ $0.09 = \frac{99.2}{110} = \frac{99.2}{110} = \frac{99.2}{110} = \frac{99.2}{110} = \frac{19.2}{110-10.4} = \frac{19.2}{99.2} = 0.19$
 $curredie = x = \frac{12}{40.4-4.623} = \frac{12}{40.4-4.623}$

2. $f_1 = 3642$, $f_2 = 1.5642$ A) $T_1 = \frac{1}{P_1} = \frac{1}{3.10^{3}} = 0.5.10^{3}$; $T_2 = \frac{1}{15.15} = 0.6.10^{3}$ clock eyer > seconds per cycle

It and To are the solutions to the part |

of Po and dock cycles you mean clock cycle |

of Po and dock cycle of Po PCT = 5.02 + 4.02 + 3.02= 32.103 30.1 20.1 20.1. Paz = 3.015+ 3.05+ 3.02 = 30.10 Pcz and Pcz is the solution if by clock cycles you meant total clock cycles of Pa and total chock cycles of P2

(Pl 1 = 1/12 - are) = (P12 = Pez- ang = Per __ 3-02 - 06 billion eyers Part I 1 1.0.3= 0.6 billion eyeles FILE IN THE SAID AND MONE CALL TOUR CALL > 4.05= 2 billow expect 3,2,10° chours 3,00 400 3.0 . 109 500 2+4+3 3 + 0 0 V ~ U.S. 103 - - 0.35.103 Pro_P 3. 0.3. 0.3. 10, Pard = 3.0,2 < 0.6 :109 PC- Is = 8.0.5= 1.5.103 and o

ET =
$$P_{c1} \cdot T_1 = 3.2.10^{3} \cdot 0.3.10^{3} = 1.06.1$$

ET = $P_{c2} \cdot T_2 = 3.1.10^{3} \cdot 0.6.10^{3} = 1.06.1$

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